



1565848

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 985957

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 11/29/2017 Vehicle# 325-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBs)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	11/29/2017 07:20:26	Inbound 1	cconnelly		Tare	67000 lb
Out	11/29/2017 07:20:26		cconnelly		Net	40620 lb
					Tons	26380 lb
						13.19

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Declass Soil-Tons-	100	13.19	Tons			COOK

Total Tax
Total Ticket





Industrial Waste Tracking Receipt (Non-Special)
Profile Number: 613405IL
Expiration Date: 12/10/17

2 Copies needed with each driver on their 1st load of each day

Section A Generator Information

Generator Name: H. Kramer & Co

Technical Contact and Phone: Josh Bernat 708-458-6868

Street Address: 1345 W 21st St Chicago, IL 60608

County: Cook

On Site Contact: Walt Pochron 312-226-6600

Waste Name: Treated Lead Impacted Soil Containing PCB's

Volume/Number of Drums: _____

Special Conditions:

NO Generator Signature Required

Section B TRANSPORTER INFORMATION

Transporter: Disposal

Driver Signature: Raphael

Truck Number: 325 20yardBox Date: 11-29-17

Section C DISPOSAL SITE INFORMATION

Site Name: Laraway RDF IEPA ID Number: 1970450002

Authorized Signature _____

Date (MM/DD/YY) _____

Load 1 CC Load 2 _____ Load 3 _____ Load 4 _____ Load 5 _____



1567366

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 988543

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 12/04/2017 Vehicle# 325-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PG
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	12/04/2017 06:58:54	Inbound 1	cconnelly			68500 lb
Out	12/04/2017 06:58:54		cconnelly		Tare	40620 lb
					Net	27880 lb
					Tons	13.94

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	13.94	Tons				COOK

Total Tax
Total Ticket

404WM-N

Driver's Signature





Industrial Waste Tracking Receipt (Non-Special)
Profile Number: 613405IL
Expiration Date: 12/10/17

2 Copies needed with each driver on their 1st load of each day

Section A Generator Information

Generator Name: H. Kramer & Co

Technical Contact and Phone: Josh Bernat 708-458-6868

Street Address: 1345 W 21st St Chicago, IL 60608

County: Cook

On Site Contact: Walt Pochron 312-226-6600

Waste Name: Treated Lead Impacted Soil Containing PCB's

Volume/Number of Drums: _____

Special Conditions: _____

NO Generator Signature Required

Section B TRANSPORTER INFORMATION

Transporter: DISPOSALL

Driver Signature: Raphael [Signature]

Truck Number: 325 20 yard Box Date: 12-4-17

Section C DISPOSAL SITE INFORMATION

Site Name: Laraway RDF IEPA ID Number: 1970450002

Authorized Signature _____

Date (MM/DD/YY) _____

Load 1 CC Load 2 _____ Load 3 _____ Load 4 _____ Load 5 _____



1570496

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 990500

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 12/06/2017 Vehicle# 325-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	12/06/2017 08:37:13	Inbound 2	jhyland		Tare	67080 lb
Out	12/06/2017 08:37:13		jhyland		Net	40620 lb
					Tons	26460 lb
						13.23

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	13.23	Tons				COOK

Total Tax
Total Ticket

404WM-N
iver's Signature





Industrial Waste Tracking Receipt (Non-Special)
Profile Number: 613405IL
Expiration Date: 12/10/17

2 Copies needed with each driver on their 1st load of each day

Section A Generator Information

Generator Name: H. Kramer & Co

Technical Contact and Phone: Josh Bernat 708-458-6868

Street Address: 1345 W 21st St Chicago, IL 60608

County: Cook

On Site Contact: Walt Pochron 312-226-6600

Waste Name: Treated Lead Impacted Soil Containing PCB's

Volume/Number of Drums: _____

Special Conditions: _____

NO Generator Signature Required

Section B TRANSPORTER INFORMATION

Transporter: DISPOS ALL

Driver Signature: Raph [Signature]

Truck Number: 325 20 yard box Date: 12-6-17

Section C DISPOSAL SITE INFORMATION

Site Name: Laraway RDF

IEPA ID Number: 1970450002

Authorized Signature _____

Date (MM/DD/YY) _____

Load 1 [Signature] Load 2 _____ Load 3 _____ Load 4 _____ Load 5 _____



1707692

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 992436

* Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 12/08/2017 Vehicle# 325-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	12/08/2017 08:54:24	Inbound 1	cconnelly		Tare	66940 lb
Out	12/08/2017 08:54:24		cconnelly		Net	40620 lb
					Tons	26320 lb
						13.16

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Declass Soil-Tons-	100	13.16	Tons			COOK

Total Tax
Total Ticket

404WM-N

Driver's Signature





Industrial Waste Tracking Receipt (Non-Special)
Profile Number: 613405IL
Expiration Date: 12/10/17

2 Copies needed with each driver on their 1st load of each day

Section A **Generator Information**

Generator Name: H. Kramer & Co

Technical Contact and Phone: Josh Bernat 708-458-6868

Street Address: 1345 W 21st St Chicago, IL 60608

County: Cook

On Site Contact: Walt Pochron 312-226-6600

Waste Name: Treated Lead Impacted Soil Containing PCB's

Volume/Number of Drums: _____

Special Conditions: _____

NO Generator Signature Required

Section B **TRANSPORTER INFORMATION**

Transporter: Disposal

Driver Signature: Raphael

Truck Number: 325 20 yard Box Date: 12-8-17

Section C **DISPOSAL SITE INFORMATION**

Site Name: Laraway RDF IEPA ID Number: 1970450002

Authorized Signature _____

Date (MM/DD/YY) _____

Load 1 C C Load 2 _____ Load 3 _____ Load 4 _____ Load 5 _____



Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

1706947

Original
Ticket# 996636

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 12/15/2017 Vehicle# 325-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	12/15/2017 10:48:03	Inbound 3	jbriel		Tare	68100 lb*
Out	12/15/2017 10:48:03		jbriel		Net	40620 lb*
			* Manual Weight		Tons	27480 lb
						13.74

Comments

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	13.74	Tons				COOK

Total Tax
Total Ticket

Driver's Signature





Industrial Waste Tracking Receipt (Non-Special)
Profile Number: 613405IL
Expiration Date: 12/10/17

2 Copies needed with each driver on their 1st load of each day

Section A Generator Information

Generator Name: H. Kramer & Co

Technical Contact and Phone: Josh Bernat 708-458-6868

Street Address: 1345 W 21st St Chicago, IL 60608

County: Cook

On Site Contact: Walt Pochron 312-226-6600

Waste Name: Treated Lead Impacted Soil Containing PCB's

Volume/Number of Drums: _____

Special Conditions: _____

NO Generator Signature Required

Section B TRANSPORTER INFORMATION

Transporter: DISPOSALL

Driver Signature: Raphael [Signature]

Truck Number: 325 20yard Box Date: 12-15-17

Section C DISPOSAL SITE INFORMATION

Site Name: Laraway RDF

IEPA ID Number: 1970450002

Authorized Signature _____

Date (MM/DD/YY) _____

Load 1 [Signature] Load 2 _____ Load 3 _____ Load 4 _____ Load 5 _____

68100#5



1712358

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 997921

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 12/19/2017 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PG
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	12/19/2017 09:28:55	Inbound 2	jhyland			71220 lb
Out	12/19/2017 10:05:12	Outbound	cconnelly		Tare	40160 lb
					Net	31060 lb
					Tons	15.53

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	15.53	Tons				COOK

Total Tax
Total Ticket

404WM-N

Driver's Signature





Industrial Waste Tracking Receipt (Non-Special)
Profile Number: 613405IL
Expiration Date: 12/18/2018

2 Copies needed with each driver on their 1st load of each day

Section A Generator Information

Generator Name: H. Kramer & Co

Technical Contact and Phone: Josh Bernat 708-458-6868

Street Address: 1345 W 21st St Chicago, IL 60608

County: Cook

On Site Contact: Walt Pochron 312-226-6600

Waste Name: Treated Lead Impacted Soil Containing PCB's

Volume/Number of Drums: _____

Special Conditions:

NO Generator Signature Required

Section B TRANSPORTER INFORMATION

Transporter: Disposal

Driver Signature: [Signature]

Truck Number: 323-20R Date: 12-19-17

Section C DISPOSAL SITE INFORMATION

Site Name: Laraway RDF IEPA ID Number: 1970450002

Authorized Signature _____

Date (MM/DD/YY) _____

Load 1 [Signature] Load 2 _____ Load 3 _____ Load 4 _____ Load 5 _____



1813016

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1032003

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 04/18/2018 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PD
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

Time	Scale	Operator	Inbound	Gross	
In 04/18/2018 08:22:28	Inbound 1	cconnelly		Tare	69840 lb
Out 04/18/2018 08:22:28		cconnelly		Net	40160 lb
				Tons	29680 lb
					14.84

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	14.84	Tons				COOK

Total Tax
Total Ticket

404WM-N
Driver's Signature





1813424

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1032160

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 04/20/2018 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBs)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	04/20/2018 08:17:42	Inbound 2	cconnelly		Tare	65740 lb
Out	04/20/2018 08:17:42		cconnelly		Net	40160 lb
					Tons	25580 lb
						12.79

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	12.79	Tons				COOK

Total Tax
Total Ticket

404VMM/JN
Driver's Signature



1816195

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1034605

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 04/24/2018 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	04/24/2018 08:30:20	Inbound 1	cconnelly			70560 lb
Out	04/24/2018 08:30:20		cconnelly		Tare	40160 lb
					Net	30400 lb
					Tons	15.20

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	15.20	Tons				COOK

Total Tax
Total Ticket

Driver's Signature





1815335

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1035962

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 04/26/2018 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBs)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	04/26/2018 08:45:43	Inbound 1	jhyland		Tare	65760 lb
Out	04/26/2018 08:45:43		jhyland		Net	40160 lb
					Tons	25600 lb
						12.80

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Declass Soil-Tons-	100	12.80	Tons			COOK

Total Tax
Total Ticket

404WM-N

river's Signature





1815988

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1037089

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 04/30/2018 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO

Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	04/30/2018 07:37:48	Inbound 2	jhyland		Tare	66820 lb
Out	04/30/2018 07:37:48		jhyland		Net	40160 lb
					Tons	26660 lb
						13.33

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Declass Soil-Tons-	100	13.33	Tons			COOK

Total Tax
Total Ticket

404WM-N

river's Signature





1822481

Laraway RDF

21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Ticket# 1042278

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 05/10/2018 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBs)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	05/10/2018 08:45:13	Inbound 4	knickleski			66440 lb
Out	05/10/2018 08:45:13		knickleski			40160 lb
					Net	26280 lb
					Tons	13.14

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1	Declass Soil-Tons-	100	13.14	Tons			COOK

Total Tax
Total Ticket

404WM-N
Driver's Signature





1824138

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1042844

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 05/11/2018 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PG
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCRS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	05/11/2018 08:21:40	Inbound 3	jhyland		Tare	65640 lb 40160 lb
Out	05/11/2018 08:21:40		jhyland		Net	25480 lb
					Tons	12.74

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin'
Declass Soil-Tons-	100	12.74	Tons				COOK

Total Tax
Total Ticket

404WM-N

Driver's Signature





1826903

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1045205

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 05/17/2018 Vehicle# 322-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	05/17/2018 14:33:41	Inbound 2	cconnelly		Tare	66000 lb
Out	05/17/2018 15:03:18	Outbound	jhyland		Net	39860 lb
					Tons	26140 lb
						13.07

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	13.07	Tons				COOK

Total Tax
Total Ticket

404WM-N

Driver's Signature





1827142

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1045742

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 05/18/2018 Vehicle# 324-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	05/18/2018 15:02:18	Inbound 1	cconnelly		Tare	70360 lb
Out	05/18/2018 15:24:31	Outbound	cconnelly		Net	40180 lb
					Tons	30180 lb
						15.09

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Declass Soil-Tons-	100	15.09	Tons			COOK

Total Tax
Total Ticket

404WM-N

Driver's Signature





1827490

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1046546

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 05/22/2018 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	05/22/2018 12:54:08	Inbound 1	cconnelly		Tare	69220 lb
Out	05/22/2018 12:54:08		cconnelly		Net	40160 lb
					Tons	29060 lb
						14.53

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	14.53	Tons				COOK

Total Tax
Total Ticket

404WM-N
Driver's Signature





1828434

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1046690

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 05/23/2018 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1 Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	05/23/2018 07:11:26	Inbound 1	jhyland		Tare	70400 lb 40160 lb
Out	05/23/2018 07:11:26		jhyland		Net	30240 lb
					Tons	15.12

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Declass Soil-Tons-	100	15.12	Tons			COOK

Total Tax
Total Ticket

404WM-N

Driver's Signature





1911899

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1048833

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 05/30/2018 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	05/30/2018 08:10:48	Inbound 1	jhyland			66760 lb
Out	05/30/2018 08:10:48		jhyland		Tare	40160 lb
					Net	26600 lb
					Tons	13.30

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	13.30	Tons				COOK

Total Tax
Total Ticket

404WM-N

Driver's Signature





1918521

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1049275

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 05/31/2018 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	05/31/2018 07:01:04	Inbound 2	jhyland		Tare	72640 lb 40160 lb
Out	05/31/2018 07:01:04		jhyland		Net	32480 lb
					Tons	16.24

Comments

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1	Declass Soil-Tons-	100	16.24	Tons			COOK

Total Tax
Total Ticket

404WM-N

Driver's Signature





Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original **1711435**
Ticket# 1051354

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 06/05/2018 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	06/05/2018 08:25:48	Outbound	cconnelly		Tare	65760 lb
Out	06/05/2018 08:25:48		cconnelly		Net	40160 lb
					Tons	25600 lb
						12.80

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	12.80	Tons				COOK

Total Tax
Total Ticket

Driver's Signature
404WM-N





1843395

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1051819

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 06/05/2018 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	06/05/2018 13:47:28	Inbound 1	cconnelly		Tare	65540 lb
Out	06/05/2018 13:47:28		cconnelly		Net	40160 lb
					Tons	25380 lb
						12.69

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	12.69	Tons				COOK

Total Tax
Total Ticket

404WM-N

Driver's Signature





Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original **1850828**
Ticket# 1054620

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 06/12/2018 Vehicle# 323-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	06/12/2018 07:23:53	Inbound 1	jhyland		Tare	67640 lb*
Out	06/12/2018 07:23:53		jhyland		Net	40160 lb*
			* Manual Weight		Tons	27480 lb
						13.74

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	13.74	Tons				COOK

Total Tax
Total Ticket

Driver's Signature

404WM-N





1855323

Laraway RDF

21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Ticket# 1056793

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 06/15/2018 Vehicle# 326-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	06/15/2018 08:17:53	Inbound 3	knickleski			68600 lb
Out	06/15/2018 08:17:53		knickleski		Tare	39020 lb
					Net	29580 lb
					Tons	14.79

Comments

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	14.79	Tons				COOK

Total Tax
Total Ticket

Driver Signature





1855553

Laraway RDF

21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Ticket# 1057974

Customer Name RW COLLINS 613405IL RW COLLIN Carrier ZAMIRAS ZAMIRAS

Ticket Date 06/18/2018

Vehicle# 03

Volume 15.0

Payment Type Credit Account

Container

Manual Ticket#

Driver

Hauling Ticket#

Check#

Route

Billing # 0004289

State Waste Code

Gen EPA ID

Manifest 1

Destination

Grid

PO

Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBs)

Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	06/18/2018 12:59:24	Inbound 1	knickleski		Tare	41720 lb*
Out	06/18/2018 13:28:19	Outbound	knickleski		Net	21880 lb
			* Manual Weight		Tons	19840 lb
						9.92

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 DeClass Soil-Tons-	100	9.92	Tons				COOK

Total Tax
Total Ticket

Driver's Signature





Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original **1871810**
Ticket# 1057862

Customer Name RW COLLINS 613405IL RW COLLIN Carrier APRESA APRESA
Ticket Date 06/18/2018 Vehicle# 9
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBs)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

Volume 15.0

Time
In 06/18/2018 11:40:15
Out 06/18/2018 12:01:45

Scale
Inbound 1
Outbound

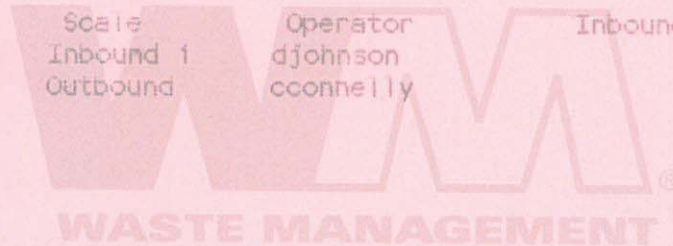
Operator
djohnson
cconnelly

Inbound

Gross
Tare
Net
Tons

41460 lb
22840 lb
18620 lb
9.31

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	9.31	Tons				COOK

Total Tax
Total Ticket

Driver's Signature
404WM-N





1855559

Laraway RDF

21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Ticket# 1057990

Customer Name RW COLLINS 613405IL RW COLLIN Carrier TL GUERRERO TL GUERRERO
Ticket Date 06/18/2018 Vehicle# 01 Volume 10.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBs)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

Time	Scale	Operator	Inbound	Gross
In 06/18/2018 13:08:53	Inbound 1	trork		41340 lb
Out 06/18/2018 13:42:17	Outbound	knickleski		Tare 25280 lb
				Net 16060 lb
				Tons 8.03

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
Declass Soil-Tons-	100	8.03	Tons				CDOK

Total Tax
Total Ticket

Driver's Signature

404WM-N





1856359

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1058124

Customer Name RW COLLINS 613405IL RW COLLIN Carrier APRESA APRESA
Ticket Date 06/18/2018 Vehicle# 9
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PD
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

Volume 15.0

	Time	Scale	Operator	Inbound	Gross	
In	06/18/2018 14:51:54	Inbound 1	DJOHNSON		Tare	48640 lb
Out	06/18/2018 14:51:54		DJOHNSON		Net	22840 lb
					Tons	25800 lb
						12.90

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	12.90	Tons				COOK

Total Tax
Total Ticket

404WM-N

Driver's Signature



Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1058837

Customer Name RW COLLINS 613405IL RW COLLIN Carrier ZAMIRAS ZAMIRAS
Ticket Date 06/19/2018 Vehicle# 00
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

Volume 10.0

	Time	Scale	Operator	Inbound	Gross	
In	06/19/2018 14:33:17	Inbound 1	trork		Tare	40540 lb
Out	06/19/2018 14:33:17		trork		Net	25000 lb
Comments					Tons	15540 lb
						7.77

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	7.77	Tons				COOK

Total Tax
Total Ticket





1855664

Laraway RDF

Ticket# 1058490

21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Customer Name RW COLLINS 613405IL RW COLLIN Carrier ZAMIRAS ZAMIRAS
Ticket Date 06/19/2018 Vehicle# 00 Volume 10.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	06/19/2018 10:23:29	Inbound 2	cconnelly		Tare	44040 lb
Out	06/19/2018 10:42:51	Outbound	knickleski		Net	25000 lb
					Tons	19040 lb
						9.52

Comments

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	9.52	Tons				COOK

Total Tax
Total Ticket

Driver's Signature





1856456

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1058496

Customer Name RW COLLINS 613405IL RW COLLIN Carrier ZAMIRAS ZAMIRAS
Ticket Date 06/19/2018 Vehicle# 03 Volume 15.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

Time	Scale	Operator	Inbound	Gross	
In 06/19/2018 10:28:50	Inbound 1	djohnson		Tare	44540 lb
Out 06/19/2018 10:28:50		djohnson		Net	21880 lb
				Tons	22660 lb
					11.33

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	11.33	Tons				COOK

Total Tax
Total Ticket





1856529

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1058813

Customer Name RW COLLINS 613405IL RW COLLIN Carrier ZAMIRAS ZAMIRAS
Ticket Date 06/19/2018 Vehicle# 03 Volume 15.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

Time	Scale	Operator	Inbound	Gross	
In 06/19/2018 14:15:55	Inbound 2	trork		43780 lb	
Out 06/19/2018 14:15:55		trork		21880 lb	
				Net	21900 lb
				Tons	10.95

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	10.95	Tons				COOK

Total Tax
Total Ticket





1855663

Laraway RDF

21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Ticket# 1058479

Customer Name RW COLLINS 613405IL RW COLLIN Carrier BLIZZARD BLIZZARD
Ticket Date 06/19/2018 Vehicle# 7 Volume 15.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBs)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	06/19/2018 10:15:35	Inbound 4	knickleski			43640 lb
Out	06/19/2018 10:40:51	Outbound	knickleski		Tare	24160 lb
					Net	19480 lb
					Tons	9.74

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1	Declass Soil-Tons-	100	9.74 Tons				COOK

Total Tax
Total Ticket

Driver's Signature

404WM-F





Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original **1872252**
Ticket# 1058768

Customer Name RW COLLINS 613405IL RW COLLIN Carrier BLOOMING BLOOMING
Ticket Date 06/19/2018 Vehicle# 50 Volume 15.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	06/19/2018 13:40:34	Inbound 2	cconnelly		Tare	43620 lb
Out	06/19/2018 13:40:34		cconnelly		Net	22100 lb
Comments					Tons	21520 lb
						10.76

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	10.76	Tons				COOK

Total Tax
Total Ticket

Driver's Signature

404WM-N



Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1058801

Customer Name RW COLLINS 613405IL RW COLLIN Carrier BLIZZARD BLIZZARD
Ticket Date 06/19/2018 Vehicle# 7 Volume 15.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	06/19/2018 14:04:48	Inbound 1	trork			47080 lb
Out	06/19/2018 14:04:48		trork			24160 lb
					Net	22920 lb
					Tons	11.46

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	11.46	Tons				COOK

Total Tax
Total Ticket





1855645

21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Laraway RDF

Ticket# 1058426

Customer Name RW COLLINS 613405IL RW COLLIN Carrier BLOOMING BLOOMING

Ticket Date 06/19/2018

Vehicle# 50

Volume 15.0

Payment Type Credit Account

Container

Manual Ticket#

Driver

Hauling Ticket#

Check#

Route

Billing # 0004289

State Waste Code

Gen EPA ID

Manifest 1

Destination

Grid

PO

Profile

613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)

Generator

117-H KRAMER AND COMPANY H KRAMER & COMPANY

Time	Scale	Operator	Inbound	Gross	
In 06/19/2018 09:33:26	Inbound 2	djohnson		Tare	42240 lb
Out 06/19/2018 09:50:20	Outbound	knickleski		Net	22100 lb
				Tons	20140 lb
					10.07

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	10.07	Tons				COOK

Total Tax
Total Ticket

Driver's Signature

404WM-N





1856605

Laraway RDF
21233 W. Laraway Rd
Joliet, IL 60436
Ph: 815 727 6148

Original
Ticket# 1059174

Customer Name RW COLLINS 613405IL RW COLLIN Carrier TL GUERRERO TL GUERRERO
Ticket Date 06/20/2018 Vehicle# 01 Volume 10.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EFA ID
Manifest 1
Destination Grid
PO

Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

Time	Scale	Operator	Inbound	Gross	
In 06/20/2018 09:29:29	Inbound 2	trork		Tare	42640 lb
Out 06/20/2018 09:29:29		trork		Net	25280 lb
				Tons	17360 lb
					8.68

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons- 100		8.68	Tons				COOK

Total Tax
Total Ticket





1856684

Laraway RDF
 21233 W. Laraway Rd
 Joliet, IL, 60436
 Ph: 815 727 6148

Original
 Ticket# 1059491

Customer Name RW COLLINS 613405IL RW COLLIN Carrier TL GUERRERO TL GUERRERO
 Ticket Date 06/20/2018 Vehicle# 01 Volume 10.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0004289
 State Waste Code Gen EPA ID
 Manifest 1
 Destination Grid
 PO
 Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
 Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

Time	Scale	Operator	Inbound	Gross	
In 06/20/2018 13:19:40	Inbound 1	DJOHNSON		Tare	29300 lb
Out 06/20/2018 13:19:40		DJOHNSON		Net	25280 lb
				Tons	4020 lb
					2.01

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	2.01	Tons				COOK

Total Tax
 Total Ticket





Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original **1872503**
Ticket# 1059218

Customer Name RW COLLINS 613405IL RW COLLIN Carrier Inter Paving Inter Paving
Ticket Date 06/20/2018 Vehicle# 51 Volume 15.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBs)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	06/20/2018 10:01:22	Inbound 2	cconnelly		Tare	39920 lb
Out	06/20/2018 10:16:37	Outbound	cconnelly		Net	23740 lb
					Tons	16180 lb
						8.09

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	8.09	Tons				COOK

Total Tax
Total Ticket

Driver's Signature
404WM-N





1856608

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1059180

Customer Name RW COLLINS 613405IL RW COLLIN Carrier APRESA APRESA
Ticket Date 06/20/2018 Vehicle# 9
Payment Type Credit Account Container
Equal Ticket# Driver
Billing Ticket# Check#
Billing # 0004289
Waste Code Gen EPA ID
Manifest 1
Destination Grid

Volume 15.0

File 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

Time	Scale	Operator	Inbound	Gross
06/20/2018 09:33:16	Inbound 1	trork		44900 lb
06/20/2018 09:33:16		trork		Tare 22840 lb
				Net 22060 lb
				Tons 11.03

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
Declass Soil-Tons-	100	11.03	Tons				COOK

Total Tax
Total Ticket





Laraway RDF

1855858

21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Ticket# 1059204

Customer Name RW COLLINS 613405IL RW COLLIN Carrier Inter Paving Inter Paving
Ticket Date 06/20/2018 Vehicle# 58 Volume 15.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO

Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

Time	Scale	Operator	Inbound	Gross
In 06/20/2018 09:49:30	Inbound 1	trork		41200 lb
Out 06/20/2018 10:14:11	Outbound	knickleski		Tare 21580 lb
				Net 19620 lb
				Tons 9.81

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	9.81	Tons				COOK

Total Tax
Total Ticket

404WM-N Driver's Signature





Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original **1878148**
Ticket# 1064315

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 07/03/2018 Vehicle# 325-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	07/03/2018 07:58:17	Inbound 3	jhyland		Tare	69940 lb
Out	07/03/2018 07:58:17		jhyland		Net	40420 lb
					Tons	29520 lb
						14.76

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Declass Soil-Tons-	100	14.76	Tons			COOK

Total Tax
Total Ticket

Driver's Signature





Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original **1880143**
Ticket# 1064656

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 07/03/2018 Vehicle# 325-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	07/03/2018 11:36:36	Inbound 3	djohnson		Tare	66240 lb
Out	07/03/2018 11:36:36		djohnson		Net	40420 lb
					Tons	25820 lb
						12.91

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	12.91	Tons				COOK

Total Tax
Total Ticket

Driver's Signature
404WM-N





Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

14477033

Original
Ticket# 1067061

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 07/10/2018 Vehicle# 325-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	07/10/2018 08:19:25	Inbound 3	knickleski		Tare	60280 lb
Out	07/10/2018 08:19:25		knickleski		Net	40420 lb
					Tons	19860 lb
						9.93

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	9.93	Tons				COOK

403WM-N

Total Tax
Total Ticket



Driver's Signature



Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

1873428

Original
Ticket# 1067615

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 07/11/2018 Vehicle# 325-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBS)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	07/11/2018 07:13:01	Inbound 1	jhyland		Tare	66700 lb
Out	07/11/2018 07:13:01		jhyland		Net	40420 lb
					Tons	26280 lb
						13.14

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UCM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	13.14	Tons				COOK

Total Tax
Total Ticket

Driver's Signature





1926463

Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

Original
Ticket# 1072160

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 07/20/2018 Vehicle# 326-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PG
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBs)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

Time	Scale	Operator	Inbound	Gross	
In 07/20/2018 10:20:24	Inbound 1	cconnelly		Tare	68860 lb
Out 07/20/2018 10:20:24		cconnelly		Net	39020 lb
				Tons	29840 lb
					14.92

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Derclass Soil-Tons-	100	14.92	Tons				COOK

Total Tax
Total Ticket

404WM-N

river's Signature





Laraway RDF
21233 W. Laraway Rd
Joliet, IL, 60436
Ph: 815 727 6148

1928635

Original
Ticket# 1072787

Customer Name RW COLLINS 613405IL RW COLLIN Carrier DISPOSALL DISPOSALL
Ticket Date 07/23/2018 Vehicle# 324-20R Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0004289
State Waste Code Gen EPA ID
Manifest 1
Destination Grid
PO
Profile 613405IL (TREATED LEAD IMPACTED SOIL CONTAINING PCBs)
Generator 117-H KRAMER AND COMPANY H KRAMER & COMPANY

Time	Scale	Operator	Inbound	Gross	
In 07/23/2018 07:03:02	Inbound 1	jhyland		Tare	59680 lb
Out 07/23/2018 07:03:02		jhyland		Net	40180 lb
				Tons	19500 lb
					9.75

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Declass Soil-Tons-	100	9.75	Tons				COOK

Total Tax
Total Ticket

Driver's Signature

404WM-N



Appendix J

Technical Memos – Backfill Source Sample Data Evaluation



April 21, 2017

Mr. Ramon Mendoza
On-Scene Coordinator
U.S. Environmental Protection Agency Region 5
Superfund Division, SE-5J
77 W. Jackson Boulevard
Chicago, IL 60604

**Subject: Technical Memo – Backfill Source Sample Data Evaluation
Pilsen Soil OU2 Residential Site
Chicago, Cook County, Illinois
EPA Contract No. EP-S5-13-01
EPA Technical Direction Document (TDD) No. S05-0001-1508-205
Document Tracking No.: 1683**

Dear Mr. Mendoza:

At your request START reviewed validated backfill source samples data provided by GHD the contractor for H. Kramer (the responsible party (RP)). This review is to determine if the soil is suitable for use as clean backfill and an engineered barrier at the Pilsen Soil OU2 Residential (Pilsen OU2) site located in the Pilsen Neighborhood in Chicago, Cook County, Illinois. The source samples data was compared to United States Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for residential soil with a target cancer risk (TR) of $1E-06$ and a target hazard quotient (THQ) of 1.0 (EPA RSLs for residential soil); Title 35 of the Illinois Administrative Code (IAC) Part 742 Tiered Approach to Corrective Action Objectives (TACO) Tier 1 remediation objectives; and Title 35 of the IAC Part 1100 Subpart F Summary of Maximum Allowable Concentrations (MAC) of Chemical Constituents in Uncontaminated Soil Used as Fill Material at Regulated Fill Operations.

The backfill source material soil samples were collected from an agricultural property located at 6521 West Monee Manhattan Road in Will County, Monee, Illinois. The backfill source material is available at this agricultural property because the property is being developed with an Amazon Warehouse. No sources of contamination are known or likely as the property is currently and has historically been developed for agricultural use. Flanagan LLC is the broker for the backfill source material.

Description of Sampling Activities

Two soil samples were collected from the backfill source material at the property. The first soil sample was collected from the backfill source material on August 2, 2016 by Flanagan LLC at 1100 hours. This sample was labelled Sample 1. The second soil sample was collected from the backfill source material on April 5, 2017 by GHD at 0815 hours. This sample was labeled S-040517-GW-01. START was not at the property on either date when the soil samples were collected from the backfill source material. START also was not provided with information regarding the sample collection method.

On August 2, 2016, Flanagan LLC collected one soil sample from the backfill source material. This sample was labeled Sample 1 and was submitted to STAT Analysis Corporation (STAT) to be analyzed for Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compound (SVOCs), Polychlorinated Biphenyls

(PCBs), pesticides, herbicides, metals, antimony by Synthetic Precipitation Leaching Procedure (SPLP), cobalt and iron by Toxicity Characteristic Leaching Procedure (TCLP), total cyanide, and pH.

A sample summary table for the initial sampling event is presented in the table below. Analytical results for the initial sample are presented in Attachment 1, Table 1 and are summarized below.

INITIAL SAMPLE SUMMARY

Sampling Activity	Sample ID	Parameters	No. of Investigative Samples	No. of Duplicates ^a	Total
Soil Sampling for Chemical Analysis	Sample 1	VOCs, SVOCs, PCBs, pesticides, herbicides, metals, antimony by SPLP, cobalt and iron by TCLP, total cyanide, pH, and percent moisture	1	0	1

Notes:

PCB Polychlorinated biphenyl
SPLP Synthetic Precipitation Leaching Procedure
SVOC Semivolatile organic compound
TCLP Toxicity Characteristic Leaching Procedure
VOC Volatile organic compound

On April 5, 2017, GHD collected an additional follow up soil sample to further assess the backfill source material. This sample was labeled S-040517-GW-01 and was submitted to TestAmerica Laboratories, Inc. (TestAmerica) to be analyzed for select VOCs (1,2-dibromo-3-chloropropane [DBCP], 1,2-dibromoethane [Ethylene dibromide], and vinyl acetate), select herbicides (alachlor, aldicarb, atrazine, and simazine), a pesticide (carbofuran), boron, chloride, fluoride, n-butyl alcohol, nitrate as N, sulfate, and total phosphorous.

These constituents are listed on Title 35 of the IAC Part 1100 Subpart F Summary of Maximum Allowable Concentrations of Chemical Constituents in Uncontaminated Soil Used as Fill Material at Regulated Fill Operations (Title 35 of the IAC Part 1100 Subpart F). Sample 1 collected on August 2, 2016 was not analyzed for these constituents. The follow up soil sample was collected to confirm that the backfill source material met the standards in Title 35 of the IAC Part 1100 Subpart F. Analytical results for the follow up sample are presented in Attachment 1, Table 2 and are summarized below.

FOLLOW UP SAMPLE SUMMARY

Sampling Activity	Sample ID	Parameters	No. of Investigative Samples	No. of Duplicates ^a	Total
Soil Sampling for Chemical Analysis	S-040517-GW-01	1,2-dibromo-3-chloropropane, 1,2-dibromoethane, vinyl acetate, alachlor, aldicarb, atrazine, carbofuran, simazine, boron, chloride, fluoride, n-butyl alcohol, nitrate as N, sulfate, and total phosphorous	1	0	1

Initial Analytical Results

Flanagin LLC collected Sample 1 as a soil sample from the backfill source material on August 2, 2016. Following analysis of the sample by STAT, Flanagin LLC gave STAT approval to release the QA/QC data from the sample analysis to GHD. A GHD Chemist reviewed the data and the QA/QC report and generated a reduced data validation memo. The data validation memo was submitted to EPA on April 10, 2017. The data validation memo was reviewed by a START chemist on April 18, 2017. The START chemist review did not result in any changes to the results summarized in the data validation memo.

Validated analytical results for Sample 1 are presented in Attachment 1, Table 1. Validated analytical results for Sample 1 compared to pH specific soil component of groundwater ingestion standards are presented in Attachment 1, Table 2. The laboratory analytical results were compared to the EPA RSLs for residential soil; the TACO Tier 1 remediation objectives listed in Title 35 of the IAC Part 742; and the maximum allowable concentration (MAC) standards listed in Title 35 of the IAC Part 1100 Subpart F.

The following analytical results exceeded one or more criteria:

- Acenaphthylene was not detected but the reporting limit of 0.04 mg/kg exceeds the TACO background value for metropolitan statistical areas (MSA) of 0.03 mg/kg. However, no other criteria exist for this constituent, thus this compound is not considered to exceed criteria.
- Benzo(a)pyrene and dibenz(a,h)anthracene were not detected but the reporting limits of 0.04 mg/kg exceed the EPA RSL in residential soil of 0.016 mg/kg. However, the TACO background values for MSAs for benzo(a)pyrene is 1.3 mg/kg and for dibenz(a,h)anthracene is 0.20 mg/kg. Thus, these compounds are not considered to exceed criteria.
- Benzidine was not detected but the reporting limit exceeds the EPA RSL for residential soil. No other criteria exists for this constituents. The predominant use for benzidine is in the production of dyes, especially azo dyes in the leather, textile, and paper industries. However, benzidine is no longer produced for commercial sale in the United States. In 1973, Occupational Safety and Health Association (OSHA) regulations banned United States production of benzidine. In addition, benzidine is no longer imported into the United States. This information was obtained from a chemical fact sheet for benzidine from the EPA updated in 2000 and can be located here: <https://www.epa.gov/sites/production/files/2016-09/documents/benzidine.pdf>. Because it is no longer produced or imported in the United States and because of its primary use in an industrial setting it would be unlikely to find concentrations of benzidine in soil in agricultural areas. START reviewed historical aerial photographs of the property on Google Earth and the historical aerials viewer by NETR online dating back to 1939 which can be located here: <https://www.historicaerials.com/viewer>. The property has remained developed for agricultural use from 1939 to the most recent available aerial

on Google Earth from 2015. Because this compound is not expected to have been used at this source site, this issue is deemed to not be of concern.

- N-nitrosodimethylamine (NDMA) was not detected but the reporting limit exceeds the EPA RSL for residential soil. No other criteria exists for this constituents. NDMA is not currently produced in pure form or commercially used in the United States, except for research purposes. It was formerly used in production of liquid rocket fuel, antioxidants, additives for lubricants and softeners for copolymers (ATSDR 1989; HSDB 2012). NDMA can be unintentionally produced in and released from industrial sources through chemical reactions, such as those that involve alkylamines with nitrogen oxides, nitrous acid or nitrite salts. Potential industrial sources include byproducts from tanneries, pesticide manufacturing plants, rubber and tire manufacturers, alkylamine manufacture and use sites, fish processing facilities, foundries and dye manufacturers (ATSDR 1989). NDMA is also an unintended byproduct of the chlorination of wastewater and drinking water at treatment plants that use chloramines for disinfection. This information was obtained from a chemical fact sheet for NDMA from the EPA updated in 2014 and can be located here: https://www.epa.gov/sites/production/files/2014-03/documents/ffrofactsheet_contaminant_ndma_january2014_final.pdf. Because it is no longer produced or used in the United States and because of its primary use in an industrial setting it would be unlikely to find concentrations of NDMA in soil in agricultural areas. START reviewed historical aerial photographs of the property on Google Earth and the historical aerials viewer by NETR online dating back to 1939 which can be located here: <https://www.historicaerials.com/viewer>. The property has remained developed for agricultural use from 1939 to the most recent available aerial on Google Earth from 2015. Because this compound is not expected to have been used at this source site, this issue is deemed to not be of concern.
- Bis(2-chloroethyl)ether was not detected but the reporting limit of 0.21 mg/kg exceeds the Class I and II soil to groundwater ingestion route and residential inhalation standard. However, the MAC is 0.66 mg/kg and the EPA RSL is 0.23 mg/kg. Thus, this s is not considered an exceedance.
- 3,3-Dichlorobenzidine, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, and 2,6-Dinitrotoluene were not detected but the reporting limits exceed the Class I and II soil to groundwater ingestion route standards. However, the concentrations do not exceed the MAC standards, EPA RSLs or TACO Tier 1 remediation for residential properties. Thus, these compounds are not considered to be of concern.
- N-Nitroso di-n-propylamine was not detected but the reporting limit exceeds the MAC standards and the Class I and II soil to groundwater ingestion exposure route remediation objectives. However, the reporting limit does not exceed the EPA RSLs or the TACO Tier 1 remediation objectives for residential properties. Thus, this compound is not considered to be of concern.
- Pentachlorophenol was not detected but the reporting limit exceeds the TACO Tier 1 Class I soil to groundwater ingestion exposure route remediation objective and the MAC standard. However, the reporting limit does not exceed the EPA RSL or the TACO Tier 1 remediation objective for residential properties. Thus, this compound is not considered to be of concern.
- 2,4,6-trichlorophenol, and alpha-BHC were not detected but the reporting limits exceed the TACO Tier 1 Class I soil to groundwater ingestion exposure route remediation objective. However, the reporting limits do not exceed the EPA RSLs or the TACO Tier 1 remediation objectives for residential properties. Thus, these compounds are not considered to be of concern. Aluminum was detected at a concentration of 13,000 mg/kg which exceeds the concentration in background soils of 9,500 mg/kg. However, this concentration does not exceed the EPA RSL for residential soil 77,000 mg/kg. Thus, this compound is not considered to be of concern.
- Antimony was detected at a concentration of 6.9 mg/kg which exceeds the TACO background soil concentration of 4.0 mg/kg, the MAC standard of 5 mg/kg, and the pH specific Class I soil to groundwater ingestion route value of 5 mg/kg. However, this concentration does not exceed EPA RSL or the TACO Tier 1 remediation objective for residential properties. Thus, this is not considered an exceedance.

- Beryllium, chromium, cobalt, iron, selenium, and vanadium were detected at concentrations exceeding the TACO background soil concentrations. However, these concentrations do not exceed the EPA RSLs or the TACO Tier 1 remediation objectives. Thus, this is not considered an exceedance.
- Arsenic was detected at a concentration of 6.8 mg/kg which exceeds the EPA RSL for residential soil of 0.68 mg/kg. However, this concentration is below the TACO background soil concentration of 13.0 mg/kg. Thus, this is not considered an exceedance.
- Silver was not detected but the reporting limit of 1.0 mg/kg exceeds the concentration in background soil of 0.55 mg/kg. However, the reporting limit does not exceed the EPA RSLs or the TACO Tier 1 remediation objectives. Thus, this is not considered an exceedance.
- Thallium was not detected but the reporting limit of 1.0 mg/kg exceeds the concentration in TACO background soil of 0.32 mg/kg and the EPA RSL for residential soil of 0.78 mg/kg. However, the reporting limit is below the MAC of 2.6 mg/kg and TACO Tier 1 remediation objective for residential properties of 6.3 mg/kg. Thus, this is not considered an exceedance.

Compounds at concentrations that exceed the TACO Tier 1 Class I and II soil to groundwater ingestion exposure route remediation objectives are not considered to be of concern because the Pilsen OU2 site is located within the Pilsen Neighborhood in Chicago, Cook County, IL where groundwater is no longer in use and a Memorandum of Understanding is in place to prohibit use of groundwater for potable purposes. Thus, this potential exposure route is not a complete pathway and is deemed to not be of concern. No other VOCs, SVOCs, PCBs, pesticides, herbicides, or metals were detected in Sample 1 at concentrations exceeding EPA RSLs for residential soil; TACO Tier 1 remediation objectives in Title 35 of the IAC Part 742 TACO criteria; and MAC standards in Title 35 of the IAC Part 1100 Subpart F.

Follow Up Analytical Results

GHD collected S-040517-GW-01 as a follow up backfill source material soil sample on April 5, 2017. Following analysis of the sample by TestAmerica, a GHD Chemist reviewed the data and the QA/QC report and generated a reduced data validation memo. The data validation memo was submitted to EPA on April 14, 2017. The data validation memo was reviewed by a START chemist on April 18, 2017. The START chemist provided comments regarding the constituent endothall which was not included in the analyses performed by TestAmerica and the vinyl acetate result that was rejected due to poor recovery. The review did not result in any changes to the results summarized in the data validation memo.

START recommended endothall be included in the follow up analysis. Endothall is listed on Title 35 of the IAC Part 1100 Subpart F. Sample 1 collected on August 2, 2016 was not analyzed for endothall. The follow up analysis would determine endothall concentrations do not exceed applicable standards in the backfill source material. However, GHD could not locate a lab that performed endothall analysis in soil.

Endothall is primarily used as an aquatic herbicide. Most concerns about adverse health effects revolve around applicator exposure. At this time, the EPA believes endothall poses no unacceptable risks to water users if water use restrictions are followed. EPA has determined that endothall is not a neurotoxicant or mutagen, nor is it likely to be a human carcinogen. This information was obtained from a chemical fact sheet for endothall from the Wisconsin Department of Natural Resources updated in 2012 and can be located here: <http://dnr.wi.gov/lakes/plants/factsheets/EndothallFactsheet.pdf>. Therefore, START does not consider endothall a concern for the backfill source material at this time and does not recommend analyzing future backfill source material soil samples for endothall.

Vinyl acetate was not detected with a reporting limit of 0.013 mg/kg on the initial lab report submitted by TestAmerica. TestAmerica flagged the vinyl acetate non-detect result with an F1 qualifier indicating Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recovery was outside acceptance limits. GHD flagged this

result with an R qualifier in their data validation memo submitted to EPA on April 14, 2017. The R qualifier indicated the result was rejected due to 0% recoveries in the MS and MSD. Therefore there is no reliable data indicating the presence or absence of vinyl acetate in the soil sample. The main use of vinyl acetate is as a chemical intermediate in the production of mostly polymers, such as wood glue ("white glue"), water-based paints, paper coatings/inks, and fibers. Vinyl acetate is only minor impurity in those products. This information was obtained from a chemical fact sheet from the Agency for Toxic Substance and Disease Registry updated in 2015 and can be located here:

<https://www.atsdr.cdc.gov/ToxProfiles/tp.asp?id=671&tid=124#bookmark08>. Because of its primary use in an industrial setting it would be unlikely to find concentrations of vinyl acetate in soil in agricultural areas.

START reviewed historical aerial photographs of the property on Google Earth and the historical aerials viewer by NETR online dating back to 1939 which can be located here:

<https://www.historicaerials.com/viewer>. The property has remained developed for agricultural use from 1939 to the most recent available aerial on Google Earth from 2015. In addition, this compound is considered a poor responder to standard analytical methods. Thus, it may be difficult to obtain valid laboratory analytical data on this compound. Because this compound is not expected to have been used at this source site, this issue is deemed to not be of concern. However, START recommends that future analysis of backfill source material soil samples include vinyl acetate conducted as an MS and MSD to confirm the initial lab result that vinyl acetate was not detected.

Validated analytical results for S-040517-GW-01 are presented in Attachment 1, Table 3. The laboratory analytical results were compared to the EPA RSLs for residential soil; Title 35 of the IAC Part 742 TACO Tier 1 remediation objectives; and MAC standards listed in Title 35 of the IAC Part 1100 Subpart F.

The following analytical results exceeded one or more criteria:

- Alachlor, aldicarb, boron, 1,2-dibromoethane, and simazine were not detected but the reporting limits exceed the TACO Tier 1 remediation objectives for the Class I and II soil to groundwater ingestion exposure route. The reporting limits do not exceed EPA RSLs or TACO Tier 1 remediation objectives for residential properties. Thus, these are not considered as exceedances.
- Atrazine and carbofuran were not detected but the reporting limits exceed the TACO Tier 1 remediation objectives for the Class I soil to groundwater ingestion exposure route. The reporting limits do not exceed EPA RSLs or TACO Tier 1 remediation objectives for residential properties. Thus, these are not considered as exceedances.
- 1,2-dibromo-3-chloropropane was not detected but the reporting limit of 0.013 mg/kg exceeds the TACO Tier 1 remediation objective for the Class I soil to groundwater ingestion exposure route, the MAC standard and the EPA RSL for residential soil. However, TestAmerica was reporting compound concentrations down to the method detection limit (MDL). Had 1,2-dibromo-3-chloropropane been detected above the method detection limit of 0.00087 mg/kg the result would have been reported. The result would also have been flagged with the qualifier J for an approximate result less than the reporting limit but greater than or equal to the MDL. The MDL does not exceed the EPA RSL, the MAC standard, nor the TACO Tier 1 remediation objective for residential properties. Thus, this is not considered an exceedance.
- Fluoride was detected and the concentration exceeds the TACO Tier 1 remediation objective for the Class I and Class II soil to groundwater ingestion exposure route. However, the concentration does not exceed the EPA RSL, the MAC standard, nor the TACO Tier 1 remediation objective for residential properties. Thus, this is not considered an exceedance.
- Nitrate as N was detected and the concentration exceeds the TACO Tier 1 remediation objective for the Class I soil to groundwater ingestion exposure route. However, the concentration does not exceed the EPA RSL, the MAC standard, nor the TACO Tier 1 remediation objective for residential properties. Thus, this is not considered an exceedance.

Exceedances of the TACO Tier 1 remediation objectives for the Class I and II soil to groundwater ingestion exposure route were ruled out as exceedances as the Pilsen OU2 site is located within the Pilsen Neighborhood in Chicago, Cook County, IL where groundwater is no longer in use and a Memorandum of Understanding is in place to prohibit use of groundwater for potable purposes. Thus, this exposure route is not a complete pathway and is deemed to not be of concern. No other VOCs, SVOCs, PCBs, pesticides, herbicides, or metals were detected in S-040517-GW-01 at concentrations exceeding EPA RSLs for residential soil; Title 35 of the IAC Part 742 TACO Tier 1 remediation objectives for residential properties; and Title 35 of the IAC Part 1100 Subpart F MAC standards.

Summary

Two samples were collected of the soil to be imported as backfill. Flanagin LLC collected Sample 1 as a soil sample from the backfill source material on August 2, 2016. GHD collected S-040517-GW-01 as a follow up backfill source material soil sample on April 5, 2017. Sample 1 was submitted to STAT to be analyzed for VOCs, SVOCs, PCBs, pesticides, herbicides, metals, antimony by SPLP, cobalt and iron by TCLP, total cyanide, and pH. S-040517-GW-01 and was submitted to TestAmerica to be analyzed for select VOCs (1,2-dibromo-3-chloropropane [DBCP], 1,2-dibromoethane [Ethylene dibromide], and vinyl acetate), select herbicides (alachlor, aldicarb, atrazine, and simazine), a pesticide (carbofuran), boron, chloride, fluoride, n-butyl alcohol, nitrate as N, sulfate, and total phosphorous. A GHD Chemist reviewed the data and the QA/QC report for both samples and generated reduced data validation memos. The data validation memos were reviewed by a START chemist on April 18, 2017. The validated data were compared with EPA RSLs for residential soil; the TACO Tier 1 remediation objectives; and MAC standards. The following is a summary of the findings:

Exceedances of only the Class I and II soil to groundwater ingestion route standards were ruled out as exceedances as the Pilsen OU2 site is located within the Pilsen Neighborhood in Chicago, Cook County, IL where groundwater is no longer in use and a Memorandum of Understanding is in place to prohibit use of groundwater for potable purposes. Thus, this exposure route is not a complete pathway and is deemed to not be of concern. Constituent concentrations below TACO background soil concentrations were also ruled out as exceedances.

START has the following recommendations for future backfill source material soil sample analysis:

1. Benzidine and n-nitrosodimethylamine (NDMA) were not detected but the reporting limits exceed the EPA RSL for residential soil. No other criteria exists for these constituents. The property has remained developed for agricultural use from 1939 to the most recent available aerial on Google Earth from 2015. Because these compounds are no longer produced or used in significant quantities in the United States and because of their primary use in industrial settings it would be unlikely to find concentrations of benzidine or NDMA in soil in agricultural areas. Because these compounds are not expected to have been used at this source site, this issue is deemed to not be of concern.
2. The vinyl acetate laboratory analytical result was rejected. Based on primary use and review of the historic use of the property START does not consider vinyl acetate a concern for the backfill source material at this time. However, START recommends that future analysis of backfill source material soil samples include vinyl acetate conducted as an MS and MSD to confirm the initial lab result that vinyl acetate was not detected.
3. The largest removal properties at the Pilsen OU2 site are approximately 125 feet by 25 feet and will be excavated to 1 foot below ground surface. Therefore, a backfill volume of approximately 115 cubic yard of backfill source material will be required for one large removal property. START recommends that backfill source material soil samples be collected at a rate of one sample per 500 cubic yards

Mr. Ramon Mendoza

April 21, 2017

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(yd³). This will provide sufficient data for the limited quantity of backfill source material used to backfill each of the current 54 removal properties at the Pilsen OU2 site.

4. START additionally recommends that each additional backfill source material soil sample is analyzed for the same parameters with the exclusion of endotoxin.

At this time the START review of the validated analytical results for the soil samples collected from the backfill source material indicates that it is acceptable for use as clean fill and an engineered barrier at the Pilsen OU2 site.

If you have any questions regarding this submittal or would like to discuss further action, please call me at (312) 201-7710.

Sincerely,

A handwritten signature in dark ink, appearing to read "Paul Pallardy", with a stylized flourish at the end.

Paul Pallardy
Project Manager

Attachments (1)

Table 1
Backfill Source Material Soil Sample Results
Sample 1

Parameter	CAS No.	Analyte	EPA RSL Residential Soil (TR 1E-06, THQ 1) ^{1,2}	Concentrations of Inorganic and PAH Chemicals in Background Soils (mg/kg) ^{3,4}	Maximum Allowable Concentrations of Chemical Constituents In Uncontaminated Soil (mg/kg) ^{5,6}	IEPA Residential Route Specific Values for Soil ^{3,4}		Laboratory ID :		16080104-001		GHD Qualifier
								Client Sample ID :		Sample 1		
								Date Collected :		08/02/2016 11:00		
								IEPA Soil Component of Groundwater Ingestion Exposure Route Values ^{3,4}		IEPA ADL ^{3,4}	Analytical Result (mg/kg)	
Ingestion ^{3,4}	Inhalation ^{3,4}	Class I ^{3,4}	Class II ^{3,4}									
VOC	67-64-1	Acetone	61000	--	25	70,000	100,000	25	25	--	< 0.086	
	71-43-2	Benzene	1.2	--	0.03	12	0.8	0.03	0.17	--	< 0.0057	
	75-27-4	Bromodichloromethane	0.29	--	0.6	10	3,000	0.6	0.6	--	< 0.0057	
	75-25-2	Bromoform	19	--	0.8	81	53	0.8	0.8	--	< 0.0057	
	74-83-9	Bromomethane	6.8	--	0.2	110	10 / 3.9*	0.2	1.2	--	< 0.011	
	78-93-3	2-Butanone	27000	--	--	--	--	--	--	--	< 0.086	
	75-15-0	Carbon disulfide	770	--	9	7,800	720 / 9.0*	32	160	--	< 0.057	
	56-23-5	Carbon tetrachloride	0.65	--	0.07	5	0.3	0.07	0.33	--	< 0.0057	
	108-90-7	Chlorobenzene	280	--	1	1,600	130 / 1.3*	1	6.5	--	< 0.0057	
	75-00-3	Chloroethane	14000	--	--	--	--	--	--	--	< 0.011	
	67-66-3	Chloroform	0.32	--	0.3	100	0.3	0.6	2.9	--	< 0.0057	
	74-87-3	Chloromethane	110	--	--	--	--	--	--	--	< 0.011	
	124-48-1	Dibromochloromethane	8.3	--	0.4	1,600	1,300	0.4	0.4	--	< 0.0057	
	75-34-3	1,1-Dichloroethane	3.6	--	36	7,800	1,300 / 130*	23	110	--	< 0.0057	
	107-06-2	1,2-Dichloroethane	0.46	--	0.02	7	0.4	0.02	0.1	--	< 0.0057	
	75-35-4	1,1-Dichloroethene	230	--	0.06	3,900	290 / 3.0*	0.06	0.3	--	< 0.0057	
	156-59-2	cis-1,2-Dichloroethene	160	--	0.4	780	1,200	0.4	1.1	--	< 0.0057	
	156-60-5	trans-1,2-Dichloroethene	1600	--	0.7	1,600	3,100	0.7	3.4	--	< 0.0057	
	78-87-5	1,2-Dichloropropane	1	--	0.03	9	15 / 0.50*	0.03	0.15	--	< 0.0057	
	10061-01-5	cis-1,3-Dichloropropene	--	--	0.005	6.4	1.1 / 0.39*	0.004	0.02	0.005	< 0.0023	
	10061-02-6	trans-1,3-Dichloropropene	--	--	0.005	6.4	1.1 / 0.39*	0.004	0.02	0.005	< 0.0023	
	100-41-4	Ethylbenzene	5.8	--	13	7,800	400 / 58*	13	19	--	< 0.0057	
	591-78-6	2-Hexanone	200	--	--	--	--	--	--	--	< 0.023	
	108-10-1	4-Methyl-2-pentanone	33000	--	--	--	--	--	--	--	< 0.023	
	75-09-2	Methylene chloride	57	--	0.02	85	13	0.02	0.2	--	< 0.011	
	1634-04-4	Methyl tert-butyl ether	47	--	0.32	780	8,800 / 140*	0.32	0.32	--	< 0.0057	
	100-42-5	Styrene	6000	--	4.0	16,000	1,500 / 430*	4	18	--	< 0.0057	
	79-34-5	1,1,2,2-Tetrachloroethane	0.6	--	--	--	--	--	--	--	< 0.0057	
	127-18-4	Tetrachloroethene	24	--	0.06	12	11	0.06	0.3	--	< 0.0057	
	108-88-3	Toluene	4900	--	12	16,000	650 / 42*	12	29	--	< 0.0057	
	71-55-6	1,1,1-Trichloroethane	8100	--	2	---	1,200	2	9.6	--	< 0.0057	
	79-00-5	1,1,2-Trichloroethane	1.1	--	0.02	310	1,800	0.02	0.3	--	< 0.0057	
	79-01-6	Trichloroethene	0.94	--	0.06	58	5	0.06	0.3	--	< 0.0057	
	75-01-4	Vinyl chloride	0.059	--	0.01	0.46	0.28	0.01	0.07	--	< 0.0057	
	1330-20-7	Xylenes, Total	580	--	5.6	16,000	320 / 5.6*	150	150	--	< 0.017	
PAH	83-32-9	Acenaphthene	3600	0.09	570	4,700	---	570	2,900	--	< 0.040	
	208-96-8	Acenaphthylene	--	0.03	--	--	--	--	--	--	< 0.040	
	120-12-7	Anthracene	18000	0.25	12,000	23,000	---	12,000	59,000	--	< 0.040	
	56-55-3	Benz(a)anthracene	0.16	1.1	1.1	0.9	---	2	8	--	< 0.040	
	50-32-8	Benzo(a)pyrene	0.016	1.3	1.3	0.09	---	8	82	--	< 0.040	
	205-99-2	Benzo(b)fluoranthene	0.16	1.5	1.5	0.9	---	5	25	--	< 0.040	
	191-24-2	Benzo(g,h,i)perylene	--	0.68	--	--	--	--	--	--	< 0.040	
	207-08-9	Benzo(k)fluoranthene	1.6	0.99	9	9	---	49	250	--	< 0.040	
	218-01-9	Chrysene	16	1.2	88	88	---	160	800	--	< 0.040	
	53-70-3	Dibenz(a,h)anthracene	0.016	0.20	0.20	0.09	---	2	7.6	--	< 0.040	
	206-44-0	Fluoranthene	2400	2.7	3,100	3,100	---	4,300	21,000	--	< 0.040	
	86-73-7	Fluorene	2400	0.10	560	3,100	---	560	2,800	--	< 0.040	
	193-39-5	Indeno(1,2,3-cd)pyrene	0.16	0.86	1.6	0.9	---	14	69	--	< 0.040	
	91-20-3	Naphthalene	3.8	0.04	1.8	1,600	170 / 1.8*	12	18	--	< 0.040	

Table 1
Backfill Source Material Soil Sample Results
Sample 1

Parameter	CAS No.	Analyte	EPA RSL Residential Soil (TR 1E-06, THQ 1) ^{1,2}	Concentrations of Inorganic and PAH Chemicals in Background Soils (mg/kg) ^{3,4}	Maximum Allowable Concentrations of Chemical Constituents In Uncontaminated Soil (mg/kg) ^{5,6}	IEPA Residential Route Specific Values for Soil ^{3,4}		Laboratory ID :		16080104-001	GHD Qualifier
								Client Sample ID :		Sample 1	
								Date Collected :		08/02/2016 11:00	
								IEPA Soil Component of Groundwater Ingestion Exposure Route Values ^{3,4}		IEPA ADL ^{3,4}	
Ingestion ^{3,4}	Inhalation ^{3,4}	Class I ^{3,4}	Class II ^{3,4}								
SVOC	85-01-8	Phenanthrene	--	1.3	--	--	--	--	--		< 0.040
	129-00-0	Pyrene	1800	1.9	2,300	2,300	---	4,200	21,000	--	< 0.040
	62-53-3	Aniline	95	--	--	--	--	--	--	--	< 0.41
	92-87-5	Benzidine	0.00053	--	--	--	--	--	--	--	< 0.40
	65-85-0	Benzoic acid	250000	--	400	310,000	---	400	400	--	< 1.0
	100-51-6	Benzyl alcohol	6300	--	--	--	--	--	--	--	< 0.21
	111-91-1	Bis(2-chloroethoxy)methane	190	--	--	--	--	--	--	--	< 0.21
	111-44-4	Bis(2-chloroethyl)ether	0.23	--	0.66	0.6	0.2	0.0004	0.0004	0.66	< 0.21
	117-81-7	Bis(2-ethylhexyl)phthalate	39	--	46	46	31,000	3,600	31,000	--	< 1.0
	101-55-3	4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	< 0.21
	85-68-7	Butyl benzyl phthalate	290	--	930	16,000	930	930	930	--	< 0.21
	86-74-8	Carbazole	--	--	0.6	32	---	0.6	2.8	--	< 0.21
	106-47-8	4-Chloroaniline	2.7	--	0.7	310	---	0.7	0.7	--	< 0.21
	59-50-7	4-Chloro-3-methylphenol	6300	--	--	--	--	--	--	--	< 0.40
	91-58-7	2-Chloronaphthalene	4800	--	--	--	--	--	--	--	< 0.21
	95-57-8	2-Chlorophenol	390	--	1.5	390	53,000	4	4	--	< 0.21
	7005-72-3	4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	< 0.21
	132-64-9	Dibenzofuran	73	--	--	--	--	--	--	--	< 0.21
	95-50-1	1,2-Dichlorobenzene	1800	--	17	7,000	560 / 310*	17	43	--	< 0.21
	541-73-1	1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	< 0.21
	106-46-7	1,4-Dichlorobenzene	2.6	--	2	---	11,000 / 340*	2	11	--	< 0.21
	91-94-1	3,3'-Dichlorobenzidine	1.2	--	1.3	1	---	0.007	0.033	1.3	< 0.21
	120-83-2	2,4-Dichlorophenol	190	--	0.48	230	---	1	1	--	< 0.21
	84-66-2	Diethyl phthalate	51000	--	470	63,000	2,000	470	470	--	< 0.21
	105-67-9	2,4-Dimethylphenol	1300	--	9	1,600	---	9	9	--	< 0.21
	131-11-3	Dimethyl phthalate	--	--	--	--	--	--	--	--	< 0.21
	534-52-1	4,6-Dinitro-2-methylphenol	5.1	--	--	--	--	--	--	--	< 0.40
	51-28-5	2,4-Dinitrophenol	130	--	3.3	160	---	0.2	0.2	3.3	< 1.0
	121-14-2	2,4-Dinitrotoluene	1.7	--	0.25	0.9	---	0.0008	0.0008	0.25	< 0.040
	606-20-2	2,6-Dinitrotoluene	0.36	--	0.26	0.9	---	0.0007	0.0007	0.26	< 0.040
	84-74-2	Di-n-butyl phthalate	6300	--	2300	7,800	2,300	2,300	2,300	--	< 0.21
	117-84-0	Di-n-octyl phthalate	630	--	1600	1,600	10,000	10,000	10,000	--	< 0.21
	118-74-1	Hexachlorobenzene	0.21	--	0.4	0.4	1	2	11	--	< 0.21
	87-68-3	Hexachlorobutadiene	1.2	--	--	--	--	--	--	--	< 0.21
	77-47-4	Hexachlorocyclopentadiene	1.8	--	1.1	550	10 / 1.1*	400	2,200	--	< 0.21
	67-72-1	Hexachloroethane	1.8	--	0.5	78	---	0.5	2.6	--	< 0.21
	78-59-1	Isophorone	570	--	8	15,600	4,600	8	8	--	< 0.21
	91-57-6	2-Methylnaphthalene	240	--	--	--	--	--	--	--	< 0.21
	95-48-7	2-Methylphenol	3200	--	15	3,900	---	15	15	--	< 0.21
	106-44-5	4-Methylphenol	6300	--	--	--	--	--	--	--	< 0.21
	88-74-4	2-Nitroaniline	630	--	--	--	--	--	--	--	< 0.21
	99-09-2	3-Nitroaniline	--	--	--	--	--	--	--	--	< 0.21
	100-01-6	4-Nitroaniline	27	--	--	--	--	--	--	--	< 0.21
	88-75-5	2-Nitrophenol	--	--	--	--	--	--	--	--	< 0.21
	100-02-7	4-Nitrophenol	--	--	--	--	--	--	--	--	< 0.40
	98-95-3	Nitrobenzene	5.1	--	0.26	39	92/9.4*	0.1	0.1	0.26	< 0.040
	621-64-7	N-Nitrosodi-n-propylamine	0.078	--	0.0018	0.09	---	0.00005	0.00005	0.0018	< 0.040
	62-75-9	N-Nitrosodimethylamine	0.002	--	--	--	--	--	--	--	< 0.21
	86-30-6	N-Nitrosodiphenylamine	110	--	1	130	---	1	5.6	--	< 0.040
	108-60-1	2, 2'-oxybis(1-Chloropropane)	3100	--	--	--	--	--	--	--	< 0.21
	87-86-5	Pentachlorophenol	1	--	0.02	3	---	0.03	0.14	--	< 0.040

Table 1
Backfill Source Material Soil Sample Results
Sample 1

Parameter	CAS No.	Analyte	EPA RSL Residential Soil (TR 1E-06, THQ 1) ^{1,2}	Concentrations of Inorganic and PAH Chemicals in Background Soils (mg/kg) ^{3,4}	Maximum Allowable Concentrations of Chemical Constituents In Uncontaminated Soil (mg/kg) ^{5,6}	IEPA Residential Route Specific Values for Soil ^{3,4}		IEPA Soil Component of Groundwater Ingestion Exposure Route Values ^{3,4}		IEPA ADL ^{3,4}	Analytical Result (mg/kg)	GHD Qualifier
	108-95-2	Phenol	19000	--	100	23,000	---	100	100	--	< 0.21	
	110-86-1	Pyridine	78	--	--	--	--	--	--	--	< 0.82	
	120-82-1	1,2,4-Trichlorobenzene	24	--	5	780	3,200 / 920*	5	53	--	< 0.21	
	95-95-4	2,4,5-Trichlorophenol	6300	--	26	7,800	---	270	1,400	--	< 0.21	
	88-06-2	2,4,6-Trichlorophenol	49	--	0.66	58	200	0.2	0.77	0.66	< 0.21	
PCB	12674-11-2	Aroclor 1016	4.1	--	1	1	---	---	---	--	< 0.098	
	11104-28-2	Aroclor 1221	0.2	--	1	1	---	---	---	--	< 0.098	
	11141-16-5	Aroclor 1232	0.17	--	1	1	---	---	---	--	< 0.098	
	53469-21-9	Aroclor 1242	0.23	--	1	1	---	---	---	--	< 0.098	
	12672-29-6	Aroclor 1248	0.23	--	1	1	---	---	---	--	< 0.098	
	11097-69-1	Aroclor 1254	0.24	--	1	1	---	---	---	--	< 0.098	
	11096-82-5	Aroclor 1260	0.24	--	1	1	---	---	---	--	< 0.098	
PEST	72-54-8	4,4'-DDD	2.3	--	3	3	---	16	80	--	< 0.0020	
	72-55-9	4,4'-DDE	2	--	2	2	---	54	270	--	< 0.0020	
	50-29-3	4,4'-DDT	1.9	--	2	2	--- / 2,100*	32	160	--	< 0.0020	
	309-00-2	Aldrin	0.039	--	0.94	0.04	3	0.5	2.5	0.94	< 0.0020	
	319-84-6	alpha-BHC	0.086	--	0.0074	0.1	0.8	0.0005	0.003	0.0074	< 0.0020	
	5103-71-9	alpha-Chlordane	--	--	--	--	--	--	--	--	< 0.0020	
	319-85-7	beta-BHC	0.3	--	--	--	--	--	--	--	< 0.0020	
	57-74-9	Chlordane	--	--	1.8	1.8	72 / 22*	10	48	--	< 0.020	
	319-86-8	delta-BHC	--	--	--	--	--	--	--	--	< 0.0020	
	60-57-1	Dieldrin	0.034	--	0.603	0.04	1	0.004	0.02	0.603	< 0.0020	
	959-98-8	Endosulfan I	--	--	18	470	---	18	90	--	< 0.0020	
	33213-65-9	Endosulfan II	--	--	18	470	---	18	90	--	< 0.0020	
	1031-07-8	Endosulfan sulfate	--	--	--	--	--	--	--	--	< 0.0020	
	72-20-8	Endrin	19	--	1	23	---	1	5	--	< 0.0020	
	7421-93-4	Endrin aldehyde	--	--	--	--	--	--	--	--	< 0.0020	
	53494-70-5	Endrin ketone	--	--	--	--	--	--	--	--	< 0.0020	
	58-89-9	gamma-BHC	0.57	--	0.009	0.5	---	0.009	0.047	--	< 0.0020	
	5566-34-7	gamma-Chlordane	--	--	--	--	--	--	--	--	< 0.0020	
	76-44-8	Heptachlor	0.13	--	0.871	0.1	0.1	23	110	0.871	< 0.0020	
	1024-57-3	Heptachlor epoxide	0.07	--	1.005	0.07	5	0.7	3.3	1.005	< 0.0020	
	72-43-5	Methoxychlor	320	--	160	390	---	160	780	--	< 0.0020	
	8001-35-2	Toxaphene	0.49	--	0.6	0.6	89	31	150	--	< 0.040	
HERB	93-76-5	2,4,5-T	630	--	--	--	--	--	--	--	< 0.0041	
	93-72-1	2,4,5-TP (Silvex)	510	--	11	630	---	11	55	--	< 0.0041	
	94-75-7	2,4-D	700	--	1.5	780	---	1.5	7.7	--	< 0.0041	
	75-99-0	Dalapon	1900	--	0.85	2,300	---	0.85	8.5	--	< 0.041	
	88-85-7	Dinoseb	63	--	0.25	78	---	0.34	3.4	--	< 0.0083	
	87-86-5	Pentachlorophenol	1	--	0.02	3	---	0.03	0.14	--	< 0.012	
	1918-02-1	Picloram	4400	--	2	5,500	---	2	20	--	< 0.0083	

Table 1
Backfill Source Material Soil Sample Results
Sample 1

Parameter	CAS No.	Analyte	EPA RSL Residential Soil (TR 1E-06, THQ 1) ^{1,2}	Concentrations of Inorganic and PAH Chemicals in Background Soils (mg/kg) ^{3,4}	Maximum Allowable Concentrations of Chemical Constituents In Uncontaminated Soil (mg/kg) ^{5,6}	IEPA Residential Route Specific Values for Soil ^{3,4}		Laboratory ID :		16080104-001	GHD Qualifier	
								Client Sample ID :		Sample 1		
								Date Collected :		08/02/2016 11:00		
						Ingestion ^{3,4}	Inhalation ^{3,4}	IEPA Soil Component of Groundwater Ingestion Exposure Route Values ^{3,4}		IEPA ADL ^{3,4}		Analytical Result (mg/kg)
Class I ^{3,4}	Class II ^{3,4}											
INORG	7429-90-5	Aluminum	77000	9500	--	--	--	--	--	13000		
	7440-36-0	Antimony	31	4.0	5	31	---	--	--	--	6.9	J
	7440-38-2	Arsenic	0.68	13.0	13.0	13.0/11.3	750	--	--	--	6.8	
	7440-39-3	Barium	15000	110	1500	5,500	690,000	--	--	--	110	
	7440-41-7	Beryllium	160	0.59	22	160	1,300	--	--	--	0.75	
	7440-43-9	Cadmium	71	0.6	5.2	78	1,800	--	--	--	< 0.52	
	7440-70-2	Calcium	--	9300	--	---	---	--	--	--	3800	
	7440-47-3	Chromium	--	16.2	21	230	270	--	--	--	18	
	7440-48-4	Cobalt	23	8.9	20	4,700	---	--	--	--	11	
	7440-50-8	Copper	3100	19.6	2900	2,900	---	--	--	--	17	
	57-12-5	Cyanide	23	0.51	40	1,600	---	--	--	--	< 0.31	
	7439-89-6	Iron	55000	15900	15900	--	---	--	--	--	19000	
	7439-92-1	Lead	400	36.0	107	400	---	--	--	--	22	
	7439-95-4	Magnesium	--	4820	325000	325,000	---	--	--	--	3400	
	7439-96-5	Manganese	--	636	636	1,600	69,000 / 8,700*	--	--	--	550	
	7439-97-6	Mercury	11	0.06	0.1	23	10 / 0.1*	--	--	--	< 0.022	
	7440-02-0	Nickel	1500	18.0	100	1,600	13,000	--	--	--	17	
	7440-09-7	Potassium	--	1268	--	---	---	--	--	--	1200	
	7782-49-2	Selenium	390	0.48	1.3	390	---	--	--	--	1.8	
	7440-22-4	Silver	390	0.55	4.4	390	---	--	--	--	< 1.0	
	7440-23-5	Sodium	--	130	--	---	---	--	--	--	< 63	
	7440-28-0	Thallium	0.78	0.32	2.6	6.3	---	--	--	--	< 1.0	
	7440-62-2	Vanadium	390	25.2	550	550	---	--	--	--	26	
	7440-66-6	Zinc	23000	95.0	5100	23,000	---	--	--	--	54	
TCLP	7440-48-4	Cobalt	--	--	--	--	--	1.0	1.0	--	< 0.010 ⁷	
	7439-89-6	Iron	--	--	--	--	--	5.0	5.0	--	< 0.25 ⁷	
SPLP	7440-36-0	Antimony	--	--	--	--	--	0.006	0.024	--	< 0.0060 ⁷	

Notes:

* - Construction Worker Inhalation Objective from Appendix B, Table B ^{3,4}

< 0.040 - Result exceeds one or more criteria

-- - No criteria

ADL - Allowable Detection Limit

CAS No. - Chemical Abstracts Service

EPA - United States Environmental Protection Agency

HERB - Herbicide

IEPA - Illinois Environmental Protection Agency

INORG - Inorganic analytes or metals

J - Estimated detected concnetration

mg/kg - Milligrams per kilogram

mg/L - Milligrams per liter

PAH - Polycyclic Aromatic Hydrocarbon

PCB - Polychlorinated biphenyl

PEST - Pesticide

RSL - Regional Screening Level

SPLP - Synthetic Precipitation Leaching Procedure

SVOC - Semivolatile organic compound

TCLP - Toxicity Characteristic Leaching Procedure

THQ - Target hazard quotients

TR - Target Cancer Risk

VOC - Volatile organic compound

1 - Analytical results compared to EPA Regional Screening Levels (RSLs) Residential Soil - Generic Table (TR of 1E-06, and THQ of 1.0)

2 - The applicable standards can be located here: <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables-may-2016>

3 - Analytical results compared to IEPA Title 35: Environmental Protection, Subtitle G: Waste Disposal, Chapter I: Pollution Control Board, Subchapter F: Risk Based Cleanup Objectives, Part 742: Tiered Approach to Corrective Action Objectives

4 - The applicable standards can be located here: <http://www.ipcb.state.il.us/documents/dsweb/Get/Document-38408>

5 - Analytical results compared to IEPA Summary of Maximum Allowable Concentrations of Chemical Constituents In Uncontaminated Soil Used as Fill Material At Regulated Fill Operations (35 Ill. Adm. Code 1100.Subpart F)

6 - The applicable standards can be located here: <http://www.epa.state.il.us/land/ccdd/new-max-allowable-concentrations-table.pdf>

7 - TCLP cobalt and iron and SPLP antimony analytical result units are mg/L

Table 2
Backfill Source Material Soil Sample Results
pH Specific Soil Component of Groundwater Ingestion Exposure Route
Sample 1

CAS No.	Analyte	Laboratory ID :		16080104-001	GHD Qualifier
		Client Sample ID :		Sample 1	
		Date Collected :		08/02/2016 11:00	
		pH Specific Soil Component of Groundwater Ingestion Exposure Route Values ^{1,2}		pH = 6.79	
		Class I ^{1,2}	Class II ^{1,2}	Analytical Result (mg/kg)	
		pH Range 6.65 to 6.89			
7429-90-5	Aluminum	--	--	13000	
7440-36-0	Antimony	5	20	6.9*	J
7440-38-2	Arsenic	29	120	6.8	
7440-39-3	Barium	1,600	1,600	110	
7440-41-7	Beryllium	63	7,900	0.75	
7440-43-9	Cadmium	7.5	75	< 0.52	
7440-70-2	Calcium	--	--	3800	
7440-47-3	Chromium	38	--	18	
7440-48-4	Cobalt	See Table 1 TCLP	See Table 1 TCLP	11	
7440-50-8	Copper	130,000	130,000	17	
57-12-5	Cyanide	40	120	< 0.31	
7439-89-6	Iron	See Table 1 TCLP	See Table 1 TCLP	19000	
7439-92-1	Lead	107	1,420	22	
7439-95-4	Magnesium	--	--	3400	
7439-96-5	Manganese	--	--	550	
7439-97-6	Mercury	2.1	10	< 0.022	
7440-02-0	Nickel	130	2,600	17	
7440-09-7	Potassium	--	--	1200	
7782-49-2	Selenium	5.2	5.2	1.8	
7440-22-4	Silver	8.5	--	< 1.0	
7440-23-5	Sodium	--	--	< 63	
7440-28-0	Thallium	2.8	28	< 1.0	
7440-62-2	Vanadium	980	--	26	
7440-66-6	Zinc	6,200	12,000	54	

Notes:

*See Table 1 SPLP results for Antimony

6.9* - Result exceeds one or more criteria

-- - No criteria

mg/kg - Milligrams per kilogram

CAS No. - Chemical Abstracts Service

RSL - Regional Screening Level

EPA - United States Environmental Protection Agency

THQ - Target hazard quotients

IEPA - Illinois Environmental Protection Agency

TR - Target Cancer Risk

J - Estimated detected concentration

1 - Analytical results compared to IEPA Title 35: Environmental Protection, Subtitle G: Waste Disposal, Chapter I: Pollution Control Board, Subchapter F: Risk Based Cleanup Objectives, Part 742: Tiered Approach to Corrective Action Objectives

2 - The applicable standards can be located here:

<http://www.ipcb.state.il.us/documents/dsweb/Get/Document-38408>

Table 3
Backfill Source Material Soil Sample Results
Sample S-040517-GW-01

CAS No.	Analyte	EPA RSL Residential Soil (TR 1E-06, THQ 1) ^{1,2}	Concentrations of Inorganic and PAH Chemicals in Background Soils (mg/kg) ^{3,4}	Maximum Allowable Concentrations of Chemical Constituents In Uncontaminated Soil (mg/kg) ^{5,6}	IEPA Residential Route Specific Values for Soil ^{3,4}		IEPA Soil Component of Groundwater Ingestion Exposure Route Values ^{3,4}		Laboratory ID :	16080104-001	GHD Qualifier	Units
									Client Sample ID :	S-040517-GW-01		
									Date Collected :	04/05/2017 08:15		
					Ingestion ^{3,4}	Inhalation ^{3,4}	Class I ^{3,4}	Class II ^{3,4}	IEPA ADL ^{3,4}	Analytical Result (mg/kg)		
15972-60-8	Alachlor	9.7	--	0.04	8	--	0.04	0.2	--	< 0.420		mg/kg
116-06-3	Aldicarb	63	--	0.013	78	--	0.013	0.07	--	< 0.840		mg/kg
1912-24-9	Atrazine	2.4	--	0.066	2700	--	0.066	0.33	--	< 0.220		mg/kg
7440-42-8	Boron	16000	--	40	16000	--	2.0	2.0	--	< 24		mg/kg
71-36-3	Butanol	7800	--	17	7800	10000	17	17	--	< 6.5		mg/kg
1563-66-2	Carbofuran	320	--	0.22	390	--	0.22	1.1	--	< 0.840		mg/kg
16887-00-6	Chloride	--	--	4,000	--	--	200	200	--	16		mg/kg
96-12-8	1,2-dibromo-3-chloropropane	0.0053	--	0.002	0.46	11	0.002	0.02	--	< 0.013		mg/kg
106-93-4	1,2-dibromoethane	0.036	--	0.005	0.32	0.06	0.0004	0.004	0.005	< 0.0064		mg/kg
145-73-3	Endothall	1300	--	0.4	1600	--	0.4	0.4	--	NA		mg/kg
16984-48-8	Fluoride	3100	--	80	4700	--	4.0	4.0	--	5.7		mg/kg
14797-55-8	Nitrate as N	130000	--	200	130000	--	10	100	--	22		mg/kg
7723-14-0	Phosphorous	--	--	--	--	--	--	--	--	< 0.10		mg/L
122-34-9	Simazine	4.5	--	0.04	390	--	0.04	0.37	--	< 0.420		mg/kg
14808-79-8	Sulfate	--	85.5	8,000	--	--	400	400	--	29		mg/kg
108-05-4	Vinyl Acetate	910	--	10	78000	1000/*10	170	170	--	< 0.013	R*	mg/kg

Notes:

R* - Vinyl acetate result of < 0.013 mg/kg qualified by GHD as rejected due to 0% recoveries in the MS and MSD

< 0.0064 - Result exceeds one or more criteria

-- - No criteria

ADL - Allowable Detection Limit

CAS No. - Chemical Abstracts Service

EPA - United States Environmental Protection Agency

IEPA - Illinois Environmental Protection Agency

mg/kg - Milligrams per kilogram

mg/L - Milligrams per liter

RSL - Regional Screening Level

THQ - Target hazard quotients

TR - Target Cancer Risk

1 - Analytical results compared to EPA Regional Screening Levels (RSLs) Residential Soil - Generic Table (TR of 1E-06, and THQ of 1.0)

2 - The applicable standards can be located here: <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables-may-2016>

3 - Analytical results compared to IEPA Title 35: Environmental Protection, Subtitle G: Waste Disposal, Chapter I: Pollution Control Board, Subchapter F: Risk Based Cleanup Objectives, Part 742: Tiered Approach to Corrective Action Objectives

4 - The applicable standards can be located here: <http://www.ipcb.state.il.us/documents/dsweb/Get/Document-38408>

5 - Analytical results compared to IEPA Summary of Maximum Allowable Concentrations of Chemical Constituents In Uncontaminated Soil Used as Fill Material At Regulated Fill Operations (35 Ill. Adm. Code 1100.Subpart F)

6 - The applicable standards can be located here: <http://www.epa.state.il.us/land/ccdd/new-max-allowable-concentrations-table.pdf>



August 10, 2017

Mr. Ramon Mendoza
On-Scene Coordinator
U.S. Environmental Protection Agency Region 5
Superfund Division, SE-5J
77 West Jackson Boulevard
Chicago, Illinois 60604

**Subject: Technical Memo – Backfill Source #2 Sample Data Evaluation
Pilsen Soil OU2 Residential Site
Chicago, Cook County, Illinois
EPA Contract No.: EP-S5-13-01
EPA Technical Direction Document No.: S05-0001-1508-205
Document Tracking No.: 1973**

Dear Mr. Mendoza:

At your request, the Tetra Tech, Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) reviewed backfill source soil sample data provided by GHD, the contractor for H. Kramer (the responsible party [RP]). This review is to determine if the soil is suitable for use as clean backfill and for an engineered barrier at the Pilsen Soil OU2 Residential (Pilsen OU2) site located in the Pilsen Neighborhood in Chicago, Cook County, Illinois. Data from the source sample was compared to United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) for residential soil with a target cancer risk (TR) of 1E-06 and a target hazard quotient (THQ) of 1.0 (EPA RSLs for residential soil); Title 35 of the Illinois Administrative Code (IAC) Part 742, Tiered Approach to Corrective Action Objectives (TACO) Tier 1 Remediation Objectives; and Title 35 of the IAC Part 1100 Subpart F, Summary of Maximum Allowable Concentrations (MAC) of Chemical Constituents in Uncontaminated Soil Used as Fill Material at Regulated Fill Operations.

The backfill source material soil sample was collected from an agricultural property located southwest of the intersection of West Maple Road and Silver Cross Boulevard in Will County, New Lenox, Illinois. The backfill source material has been identified by GHD as available at this agricultural property. No sources of contamination are known or likely as the property is currently and has historically been developed for agricultural use. Flanagan LLC is the broker for the backfill source material.

Description of Sampling Activities

One soil sample was collected by Flanagan LLC from the backfill source material on February 7, 2017 at 1200 hours. This sample was labelled "Sample 1." START was not at the property when the soil sample was collected from the backfill source material. START also was not provided with information regarding the sample collection method.

The backfill source material was submitted by Flanagan LLC to STAT Analysis Corporation (STAT) to be analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOC) (including polycyclic aromatic hydrocarbons [PAH]), polychlorinated biphenyls (PCB), pesticides, herbicides, metals

(including mercury), cyanide, Toxicity Characteristic Leaching Procedure (TCLP) metals (chromium, cobalt, iron, and selenium), pH, and percent moisture.

A sample summary table for the sampling event is presented in the table below. Analytical results for the sample are presented in Attachment 1, Table 1 and are summarized in the text below.

SAMPLE SUMMARY

Sampling Activity	Sample ID	Parameters	No. of Investigative Samples	No. of Duplicates	Total
Soil Sampling for Chemical Analysis	Sample 1	VOCs, SVOCs (including PAHs), PCBs, pesticides, herbicides, metals (including mercury), cyanide, TCLP (for chromium, cobalt, iron, selenium), pH, and percent moisture	1	0	1

Notes:

PAH Polycyclic aromatic hydrocarbon
PCB Polychlorinated biphenyl
SVOC Semivolatile organic compound
TCLP Toxicity Characteristic Leaching Procedure
VOC Volatile organic compound

Initial Analytical Results

Flanagin LLC collected one soil sample from the backfill source material on February 7, 2017. Following analysis of the sample by STAT, Flanagin LLC gave STAT approval to release the quality assurance/quality control (QA/QC) data from the sample analysis to GHD. A GHD Chemist reviewed the data and the QA/QC report and generated a reduced data validation memo. The data validation memo was submitted to EPA on July 24, 2017. The data validation memo was further reviewed by a START chemist on July 26, 2017. The START chemist review lead to the following changes to data qualifiers:

- Qualifier for sodium result for soil changed from <79 (milligrams per kilogram [mg/kg]) U to 79 J+.
- Qualifier for TCLP iron result for soil changed from <0.47 (milligrams per liter [mg/L]) U to 0.47.

These changes did not impact the findings outlined in this Technical Memo. The START chemist review did not result in any other changes to the results summarized in the data validation memo.

Validated analytical results for Sample 1 are presented in Attachment 1, Table 1. The laboratory analytical results were compared to the EPA RSLs for residential soil; the TACO Tier 1 remediation objectives listed in Title 35 of the IAC Part 742; and the MAC standards listed in Title 35 of the IAC Part 1100 Subpart F.

The following analytical results exceeded one or more criteria:

- The following analytes were not detected but their respective reporting limits exceed one or more criteria: acenaphthylene, benzidine, naphthalene, hexachlorobenzene, n-nitrosodi-n-propylamine, n-nitrosodimethylamine (NDMA), pentachlorophenol, silver, and thallium. However, because these analytes were not detected, these results are not considered exceedances.

- The following analytes were above the TACO background value for metropolitan statistical areas (MSA): aluminum, barium, beryllium, cadmium, calcium, cobalt, copper, lead, magnesium, nickel, potassium, vanadium, and zinc. However, these analyte concentrations do not exceed the EPA RSLs or the TACO Tier 1 remediation objectives. Thus, results for these analytes are not considered exceedances.
- Arsenic was detected at a concentration of 7.1 mg/kg which exceeds the EPA RSL for residential soil of 0.68 mg/kg. However, this concentration is below the TACO background soil concentration and the MAC for uncontaminated soil used as fill, both of which are 13.0 mg/kg. Thus, the arsenic concentration is not considered an exceedance.
- Chromium, iron, and selenium were detected at concentrations exceeding the TACO background soil concentrations and MAC standards. However, the MAC standards are based upon the soil to groundwater ingestion route objectives. As stated in the MAC standards: as an alternative to the subject MAC value, compliance verification may be determined by comparing soil sample TCLP extraction results for constituents to their respective TACO Class I Soil Component of the Groundwater Ingestion Exposure Route objectives. The TCLP results for chromium, iron, and selenium meet their respective TACO Class I Soil Component of the Groundwater Ingestion Exposure Route objectives. Thus, these concentrations are not considered an exceedance.

Compounds at concentrations that exceed the TACO Tier 1 Class I and II soil to groundwater ingestion exposure route remediation objectives are not considered to be of concern because the Pilsen OU2 site is located within the Pilsen Neighborhood in Chicago, Cook County, IL where groundwater is no longer in use and a Memorandum of Understanding is in place to prohibit use of groundwater for potable purposes. Thus, this potential exposure route is not a complete pathway and is deemed not to be of concern. No other VOCs, SVOCs, PCBs, pesticides, herbicides, or metals were detected in Sample 1 at concentrations exceeding EPA RSLs for residential soil; TACO Tier 1 remediation objectives in Title 35 of the IAC Part 742 TACO criteria; or MAC standards in Title 35 of the IAC Part 1100 Subpart F.

Summary

Flanagin LLC collected Sample 1 as a soil sample from the source material to be imported as backfill on February 7, 2017. Sample 1 was submitted to STAT to be analyzed for VOCs, SVOCs (including PAHs), PCBs, pesticides, herbicides, metals (including mercury), cyanide, TCLP (for chromium, cobalt, iron, and selenium), pH, and percent moisture. A GHD Chemist reviewed the data and the QA/QC report for both samples and generated reduced data validation memos. The data validation memos were further reviewed by a START chemist on July 26, 2017. The validated data were compared with EPA RSLs for residential soil; the TACO Tier 1 remediation objectives; and MAC standards. The following is a summary of the findings.

Exceedances of only the Class I and II soil to groundwater ingestion route standards were ruled out because the Pilsen OU2 site is located within the Pilsen Neighborhood in Chicago, Cook County, IL where groundwater is no longer in use and a Memorandum of Understanding is in place to prohibit use of groundwater for potable purposes. Thus, this exposure route is not a complete pathway and is deemed not to be of concern. Constituent concentrations below TACO background soil concentrations were also ruled out as exceedances.

START has the following recommendations for future backfill source material soil sample analysis:

1. The largest removal properties at the Pilsen OU2 site are approximately 125 feet by 25 feet and will be excavated to 1 foot below ground surface. Therefore, a backfill volume of approximately 115 cubic

Mr. Ramon Mendoza

August 10, 2017

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yard of backfill source material will be required for one large removal property. START recommends that backfill source material soil samples be collected at a rate of at least one sample per 1,000 cubic yards. This will provide sufficient data for the limited quantity of backfill source material used to backfill the removal properties at the Pilsen OU2 site.

2. START also recommends that each additional backfill source material soil sample is analyzed for the same parameters.

The START review of the validated analytical results for the soil samples collected from the backfill source material indicates that it is acceptable for use as clean fill and an engineered barrier at the Pilsen OU2 site.

If you have any questions regarding this submittal or would like to discuss further action, please call me at (312) 201-7710.

Sincerely,

A handwritten signature in dark ink, appearing to read "Paul Pallardy", with a stylized flourish at the end.

Paul Pallardy
Project Manager

Attachments (1)

Table 1
Pilsen OU2- EPA RSL, IL MAC TACO, and Background Criteria
Sample 1 - Backfill Source #2

Parameter	CAS No.	Analyte	EPA RSL Residential Soil (TR 1E-06, THQ 1) (mg/kg) ^{1,2}	Concentrations of Inorganic and PAH Chemicals in Background Soils (mg/kg) ^{3,4}	Maximum Allowable Concentrations (MAC) of Chemical Constituents In Uncontaminated Soil (mg/kg) ^{5,6}	Laboratory ID :				17020187	Tetra Tech Comment	GHD Qualifier	Tetra Tech Qualifier
						Client Sample ID :				Sample 1			
						Date Collected :				02/07/2017 12:00			
						IEPA Residential Route Specific Values for Soil (mg/kg) ^{3,4}		3,4Soil Component of Groundwater Ingestion Exposure Route Values (mg/kg) ^{3,4}		Analytical Result (mg/kg)			
						Ingestion ^{3,4}	Inhalation ^{3,4}	Class I ^{3,4}	Class II ^{3,4}				
VOC	67-64-1	Acetone	61000	--	25	70,000	100,000	25	25	< 0.097			
	71-43-2	Benzene	1.2	--	0.03	12	0.8	0.03	0.17	< 0.0065			
	75-27-4	Bromodichloromethane	0.29	--	0.6	10	3,000	0.6	0.6	< 0.0065			
	75-25-2	Bromoform	19	--	0.8	81	53	0.8	0.8	< 0.0065			
	74-83-9	Bromomethane	6.8	--	0.2	110	10 / 3.9*	0.2	1.2	< 0.013			
	78-93-3	2-Butanone	27000	--	--	--	--	--	--	< 0.097			
	75-15-0	Carbon disulfide	770	--	9	7,800	720 / 9.0*	32	160	< 0.065			
	56-23-5	Carbon tetrachloride	0.65	--	0.07	5	0.3	0.07	0.33	< 0.0065			
	108-90-7	Chlorobenzene	280	--	1	1,600	130 / 1.3*	1	6.5	< 0.0065			
	75-00-3	Chloroethane	14000	--	--	--	--	--	--	< 0.013			
	67-66-3	Chloroform	0.32	--	0.3	100	0.3	0.6	2.9	< 0.0065			
	74-87-3	Chloromethane	110	--	--	--	--	--	--	< 0.013			
	124-48-1	Dibromochloromethane	8.3	--	0.4	1,600	1,300	0.4	0.4	< 0.0065			
	75-34-3	1,1-Dichloroethane	3.6	--	36	7,800	1,300 / 130*	23	110	< 0.0065			
	107-06-2	1,2-Dichloroethane	0.46	--	0.02	7	0.4	0.02	0.1	< 0.0065			
	75-35-4	1,1-Dichloroethene	230	--	0.06	3,900	290 / 3.0*	0.06	0.3	< 0.0065			
	156-59-2	cis-1,2-Dichloroethene	160	--	0.4	780	1,200	0.4	1.1	< 0.0065			
	156-60-5	trans-1,2-Dichloroethene	1600	--	0.7	1,600	3,100	0.7	3.4	< 0.0065			
	78-87-5	1,2-Dichloropropane	0.28	--	0.03	9	15 / 0.50*	0.03	0.15	< 0.0065			
	10061-01-5	cis-1,3-Dichloropropene	--	--	0.005	6.4	1.1 / 0.39*	0.004	0.02	< 0.0026			
	10061-02-6	trans-1,3-Dichloropropene	--	--	0.005	6.4	1.1 / 0.39*	0.004	0.02	< 0.0026			
	100-41-4	Ethylbenzene	5.8	--	13	7,800	400 / 58*	13	19	< 0.0065			
	591-78-6	2-Hexanone	200	--	--	--	--	--	--	< 0.026			
	108-10-1	4-Methyl-2-pentanone	33000	--	--	--	--	--	--	< 0.026			
	75-09-2	Methylene chloride	57	--	0.02	85	13	0.02	0.2	< 0.013			
	1634-04-4	Methyl tert-butyl ether	47	--	0.32	780	8,800 / 140*	0.32	0.32	< 0.0065			
	100-42-5	Styrene	6000	--	4.0	16,000	1,500 / 430*	4	18	< 0.0065			
	79-34-5	1,1,2,2-Tetrachloroethane	0.6	--	--	--	--	--	--	< 0.0065			
	127-18-4	Tetrachloroethene	24	--	0.06	12	11	0.06	0.3	< 0.0065			
	108-88-3	Toluene	4900	--	12	16,000	650 / 42*	12	29	< 0.0065			
	71-55-6	1,1,1-Trichloroethane	8100	--	2	---	1,200	2	9.6	< 0.0065			
	79-00-5	1,1,2-Trichloroethane	1.1	--	0.02	310	1,800	0.02	0.3	< 0.0065			
	79-01-6	Trichloroethene	0.94	--	0.06	58	5	0.06	0.3	< 0.0065			
	75-01-4	Vinyl chloride	0.059	--	0.01	0.46	0.28	0.01	0.07	< 0.0065			
	1330-20-7	Xylenes, Total	580	--	5.6	16,000	320 / 5.6*	150	150	< 0.019			
PAH	83-32-9	Acenaphthene	3600	0.09	570	4,700	---	570	2,900	< 0.043			
	208-96-8	Acenaphthylene	--	0.03	--	--	--	--	--	< 0.043	Result was ND		
	120-12-7	Anthracene	18000	0.25	12,000	23,000	---	12,000	59,000	< 0.043			
	56-55-3	Benz(a)anthracene	1.1	1.1	1.1	0.9	---	2	8	< 0.043			
	50-32-8	Benzo(a)pyrene	0.11	1.3	1.3	0.09	---	8	82	< 0.043			
	205-99-2	Benzo(b)fluoranthene	1.1	1.5	1.5	0.9	---	5	25	< 0.043			
	191-24-2	Benzo(g,h,i)perylene	--	0.68	--	--	--	--	--	< 0.043			
	207-08-9	Benzo(k)fluoranthene	11	0.99	9	9	---	49	250	< 0.043			
	218-01-9	Chrysene	110	1.2	88	88	---	160	800	< 0.043			
	53-70-3	Dibenz(a,h)anthracene	0.11	0.20	0.20	0.09	---	2	7.6	< 0.043			
	206-44-0	Fluoranthene	2400	2.7	3,100	3,100	---	4,300	21,000	< 0.043			
	86-73-7	Fluorene	2400	0.10	560	3,100	---	560	2,800	< 0.043			
	193-39-5	Indeno(1,2,3-cd)pyrene	1.1	0.86	1.6	0.9	---	14	69	< 0.043			
	91-20-3	Naphthalene	3.8	0.04	1.8	1,600	170 / 1.8*	12	18	< 0.043	Result was ND		
	85-01-8	Phenanthrene	--	1.3	--	--	--	--	--	< 0.043			
	129-00-0	Pyrene	1800	1.9	2,300	2,300	---	4,200	21,000	< 0.043			
SVOC	62-53-3	Aniline	95	--	--	--	--	--	--	< 0.43			
	92-87-5	Benzidine	0.00053	--	--	--	--	--	--	< 0.43	Result was ND		
	65-85-0	Benzoic acid	250000	--	400	310,000	---	400	400	< 1.1			
	100-51-6	Benzyl alcohol	6300	--	--	--	--	--	--	< 0.22			

Table 1
Pilsen OU2- EPA RSL, IL MAC TACO, and Background Criteria
Sample 1 - Backfill Source #2

Parameter	CAS No.	Analyte	EPA RSL Residential Soil (TR 1E-06, THQ 1) (mg/kg) ^{1,2}	Concentrations of Inorganic and PAH Chemicals in Background Soils (mg/kg) ^{3,4}	Maximum Allowable Concentrations (MAC) of Chemical Constituents In Uncontaminated Soil (mg/kg) ^{5,6}	Laboratory ID :				17020187			
						Client Sample ID :				Sample 1			
						Date Collected :				02/07/2017 12:00			
						IEPA Residential Route Specific Values for Soil (mg/kg) ^{3,4}		3,4Soil Component of Groundwater Ingestion Exposure Route Values (mg/kg) ^{3,4}		Analytical Result (mg/kg)			
						Ingestion ^{3,4}	Inhalation ^{3,4}	Class I ^{3,4}	Class II ^{3,4}		Tetra Tech Comment	GHD Qualifier	Tetra Tech Qualifier
	111-91-1	Bis(2-chloroethoxy)methane	190	--	--	--	--	--	--	< 0.22			
	111-44-4	Bis(2-chloroethyl)ether	0.23	--	0.66	0.6	0.2	0.0004	0.0004	< 0.22			
	117-81-7	Bis(2-ethylhexyl)phthalate	39	--	46	46	31,000	3,600	31,000	< 1.1			
	101-55-3	4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	< 0.22			
	85-68-7	Butyl benzyl phthalate	290	--	930	16,000	930	930	930	< 0.22			
	86-74-8	Carbazole	--	--	0.6	32	---	0.6	2.8	< 0.22			
	106-47-8	4-Chloroaniline	2.7	--	0.7	310	---	0.7	0.7	< 0.22			
	59-50-7	4-Chloro-3-methylphenol	6300	--	--	--	--	--	--	< 0.43			
	91-58-7	2-Chloronaphthalene	4800	--	--	--	--	--	--	< 0.22			
	95-57-8	2-Chlorophenol	390	--	1.5	390	53,000	4	4	< 0.22			
	7005-72-3	4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	< 0.22			
	132-64-9	Dibenzofuran	73	--	--	--	--	--	--	< 0.22			
	95-50-1	1,2-Dichlorobenzene	1800	--	17	7,000	560 / 310*	17	43	< 0.22			
	541-73-1	1,3-Dichlorobenzene	--	--	--	--	--	--	--	< 0.22			
	106-46-7	1,4-Dichlorobenzene	2.6	--	2	---	11,000 / 340*	2	11	< 0.22			
	91-94-1	3,3'-Dichlorobenzidine	1.2	--	1.3	1	---	0.007	0.033	< 0.22			
	120-83-2	2,4-Dichlorophenol	190	--	0.48	230	---	1	1	< 0.22			
	84-66-2	Diethyl phthalate	51000	--	470	63,000	2,000	470	470	< 0.22			
	105-67-9	2,4-Dimethylphenol	1300	--	9	1,600	---	9	9	< 0.22			
	131-11-3	Dimethyl phthalate	--	--	--	--	--	--	--	< 0.22			
	534-52-1	4,6-Dinitro-2-methylphenol	5.1	--	--	--	--	--	--	< 0.43			
	51-28-5	2,4-Dinitrophenol	130	--	3.3	160	---	0.2	0.2	< 1.1			
	121-14-2	2,4-Dinitrotoluene	1.7	--	0.25	0.9	---	0.0008	0.0008	< 0.043			
	606-20-2	2,6-Dinitrotoluene	0.36	--	0.26	0.9	---	0.0007	0.0007	< 0.043			
	84-74-2	Di-n-butyl phthalate	6300	--	2300	7,800	2,300	2,300	2,300	< 0.22			
	117-84-0	Di-n-octyl phthalate	630	--	1600	1,600	10,000	10,000	10,000	< 0.22			
	118-74-1	Hexachlorobenzene	0.21	--	0.4	0.4	1	2	11	< 0.22	Result was ND		
	87-68-3	Hexachlorobutadiene	1.2	--	--	--	--	--	--	< 0.22			
	77-47-4	Hexachlorocyclopentadiene	1.8	--	1.1	550	10 / 1.1*	400	2,200	< 0.22			
	67-72-1	Hexachloroethane	1.8	--	0.5	78	---	0.5	2.6	< 0.22			
	78-59-1	Isophorone	570	--	8	15,600	4,600	8	8	< 0.22			
	91-57-6	2-Methylnaphthalene	240	--	--	--	--	--	--	< 0.22			
	95-48-7	2-Methylphenol	3200	--	15	3,900	---	15	15	< 0.22			
	106-44-5	4-Methylphenol	6300	--	--	--	--	--	--	< 0.22			
	88-74-4	2-Nitroaniline	630	--	--	--	--	--	--	< 0.22			
	99-09-2	3-Nitroaniline	--	--	--	--	--	--	--	< 0.22			
	100-01-6	4-Nitroaniline	27	--	--	--	--	--	--	< 0.22			
	88-75-5	2-Nitrophenol	--	--	--	--	--	--	--	< 0.22			
	100-02-7	4-Nitrophenol	--	--	--	--	--	--	--	< 0.43			
	98-95-3	Nitrobenzene	5.1	--	0.26	39	92/9.4*	0.1	0.1	< 0.043			
	621-64-7	N-Nitrosodi-n-propylamine	0.078	--	0.0018	0.09	---	0.00005	0.00005	< 0.043	Result was ND		
	62-75-9	N-Nitrosodimethylamine	0.002	--	--	--	--	--	--	< 0.22	Result was ND		
	86-30-6	N-Nitrosodiphenylamine	110	--	1	130	---	1	5.6	< 0.043			
	108-60-1	2, 2'-oxybis(1-Chloropropane)	3100	--	--	--	--	--	--	< 0.22			
	87-86-5	Pentachlorophenol	1	--	0.02	3	---	0.03	0.14	< 0.043	Result was ND		
	108-95-2	Phenol	19000	--	100	23,000	---	100	100	< 0.22			
	110-86-1	Pyridine	78	--	--	--	--	--	--	< 0.87			
	120-82-1	1,2,4-Trichlorobenzene	24	--	5	780	3,200 / 920*	5	53	< 0.22			
	95-95-4	2,4,5-Trichlorophenol	6300	--	26	7,800	---	270	1,400	< 0.22			
	88-06-2	2,4,6-Trichlorophenol	49	--	0.66	58	200	0.2	0.77	< 0.22			
PCB	12674-11-2	Aroclor 1016	4.1	--	1	1	---	---	---	< 0.10			
	11104-28-2	Aroclor 1221	0.2	--	1	1	---	---	---	< 0.10			
	11141-16-5	Aroclor 1232	0.17	--	1	1	---	---	---	< 0.10			
	53469-21-9	Aroclor 1242	0.23	--	1	1	---	---	---	< 0.10			
	12672-29-6	Aroclor 1248	0.23	--	1	1	---	---	---	< 0.10			

Table 1
Pilsen OU2- EPA RSL, IL MAC TACO, and Background Criteria
Sample 1 - Backfill Source #2

Parameter	CAS No.	Analyte	EPA RSL Residential Soil (TR 1E-06, THQ 1) (mg/kg) ^{1,2}	Concentrations of Inorganic and PAH Chemicals in Background Soils (mg/kg) ^{3,4}	Maximum Allowable Concentrations (MAC) of Chemical Constituents In Uncontaminated Soil (mg/kg) ^{5,6}	Laboratory ID :				17020187	Tetra Tech Comment	GHD Qualifier	Tetra Tech Qualifier
						Client Sample ID :				Sample 1			
						Date Collected :				02/07/2017 12:00			
						IEPA Residential Route Specific Values for Soil (mg/kg) ^{3,4}		3,4Soil Component of Groundwater Ingestion Exposure Route Values (mg/kg) ^{3,4}		Analytical Result (mg/kg)			
Ingestion ^{3,4}	Inhalation ^{3,4}	Class I ^{3,4}	Class II ^{3,4}										
	11097-69-1	Aroclor 1254	0.24	--	1	1	---	---	---	< 0.10			
	11096-82-5	Aroclor 1260	0.24	--	1	1	---	---	---	< 0.10			
PEST	72-54-8	4,4'-DDD	2.3	--	3	3	---	16	80	< 0.0021			
	72-55-9	4,4'-DDE	2	--	2	2	---	54	270	< 0.0021			
	50-29-3	4,4'-DDT	1.9	--	2	2	--- / 2,100*	32	160	< 0.0021			
	309-00-2	Aldrin	0.039	--	0.94	0.04	3	0.5	2.5	< 0.0021			
	319-84-6	alpha-BHC	0.086	--	0.0074	0.1	0.8	0.0005	0.003	< 0.0021			
	5103-71-9	alpha-Chlordane	--	--	--	--	--	--	--	< 0.0021			
	319-85-7	beta-BHC	0.3	--	--	--	--	--	--	< 0.0021			
	57-74-9	Chlordane	--	--	1.8	1.8	72 / 22*	10	48	< 0.021			
	319-86-8	delta-BHC	--	--	--	--	--	--	--	< 0.0021			
	60-57-1	Dieldrin	0.034	--	0.603	0.04	1	0.004	0.02	< 0.0021			
	959-98-8	Endosulfan I	--	--	18	470	---	18	90	< 0.0021			
	33213-65-9	Endosulfan II	--	--	18	470	---	18	90	< 0.0021			
	1031-07-8	Endosulfan sulfate	--	--	--	--	--	--	--	< 0.0021			
	72-20-8	Endrin	19	--	1	23	---	1	5	< 0.0021			
	7421-93-4	Endrin aldehyde	--	--	--	--	--	--	--	< 0.0021			
	53494-70-5	Endrin ketone	--	--	--	--	--	--	--	< 0.0021			
	58-89-9	gamma-BHC	0.57	--	0.009	0.5	---	0.009	0.047	< 0.0021			
	5566-34-7	gamma-Chlordane	--	--	--	--	--	--	--	< 0.0021			
	76-44-8	Heptachlor	0.13	--	0.871	0.1	0.1	23	110	< 0.0021			
	1024-57-3	Heptachlor epoxide	0.07	--	1.005	0.07	5	0.7	3.3	< 0.0021			
	72-43-5	Methoxychlor	320	--	160	390	---	160	780	< 0.0021			
	8001-35-2	Toxaphene	0.49	--	0.6	0.6	89	31	150	< 0.043			
HERB	93-76-5	2,4,5-T	630	--	--	--	--	--	--	< 0.0043			
	93-72-1	2,4,5-TP (Silvex)	510	--	11	630	--	11	55	< 0.0043			
	94-75-7	2,4-D	700	--	1.5	780	--	1.5	7.7	< 0.0043			
	94-80-4	2,4-DB	--	--	--	--	--	--	--	<0.0087			
	75-99-0	Dalapon	1900	--	0.85	2,300	--	0.85	8.5	< 0.043			
	1918-00-9	Dicamba	1900	--	--	--	--	--	--	<0.0087			
	120-36-5	Dichlorprop	--	--	--	--	--	--	--	<0.0087			
	88-85-7	Dinoseb	63	--	0.25	78	--	0.34	3.4	< 0.0087			
	94-74-6	MCPA	32	--	--	--	--	--	--	<0.0087			
	93-65-2	MCPP	63	--	--	--	--	--	--	<0.0043			
	1918-02-1	Picloram	4400	--	2	5,500	--	2	20	< 0.0087			
INORG	7429-90-5	Aluminum	77000	9500	--	--	--	--	--	17000	Above background but below applicable standards		
	7440-36-0	Antimony	31	4.0	5	31	---	--	--	<2.2			
	7440-38-2	Arsenic	0.68	13.0	13.0	13.0/11.3	750	--	--	7.1	Below background		
	7440-39-3	Barium	15000	110	1500	5,500	690,000	--	--	170	Above background but below applicable standards		
	7440-41-7	Beryllium	160	0.59	22	160	1,300	--	--	0.92	Above background but below applicable standards		
	7440-43-9	Cadmium	71	0.6	5.2	78	1,800	--	--	0.73	Above background but below applicable standards		
	7440-70-2	Calcium	--	9300	--	---	---	--	--	14000	Above background but below applicable standards		
											Above background and MAC but MAC is based on soil to gw ingestion route. TCLP chromium result meets the TACO Tier 1 Class I soil to groundwater ingestion exposure route remediation objectives.		
	7440-47-3	Chromium	--	16.2	21	230	270	--	--	22			
	7440-48-4	Cobalt	23	8.9	20	4,700	---	--	--	9.3	Above background but below applicable standards		
	7440-50-8	Copper	3100	19.6	2900	2,900	---	--	--	29	Above background but below applicable standards		
	57-12-5	Cyanide	23	0.51	40	1,600	---	--	--	< 0.33			
											Above background and MAC but MAC is based on soil to gw ingestion route. TCLP iron result meets the TACO Tier 1 Class I soil to groundwater ingestion exposure route remediation objectives.		
	7439-89-6	Iron	55000	15900	15900	--	---	--	--	23000			
	7439-92-1	Lead	400	36.0	107	400	---	--	--	38	Above background but below applicable standards		
	7439-95-4	Magnesium	--	4820	325000	325,000	---	--	--	8900	Above background but below applicable standards		
	7439-96-5	Manganese	--	636	636	1,600	69,000 / 8,700*	--	--	430			
	7439-97-6	Mercury	11	0.06	0.1	23	10 / 0.1*	--	--	0.044			
	7440-02-0	Nickel	1500	18.0	100	1,600	13,000	--	--	27	Above background but below applicable standards		
	7440-09-7	Potassium	--	1268	--	---	---	--	--	2800	Above background but below applicable standards		

Table 1
Pilsen OU2- EPA RSL, IL MAC TACO, and Background Criteria
Sample 1 - Backfill Source #2

Parameter	CAS No.	Analyte	EPA RSL Residential Soil (TR 1E-06, THQ 1) (mg/kg) ^{1,2}	Concentrations of Inorganic and PAH Chemicals in Background Soils (mg/kg) ^{3,4}	Maximum Allowable Concentrations (MAC) of Chemical Constituents In Uncontaminated Soil (mg/kg) ^{5,6}	Laboratory ID :				17020187	Tetra Tech Comment	GHD Qualifier	Tetra Tech Qualifier
						Client Sample ID :				Sample 1			
						Date Collected :				02/07/2017 12:00			
						IEPA Residential Route Specific Values for Soil (mg/kg) ^{3,4}		3,4Soil Component of Groundwater Ingestion Exposure Route Values (mg/kg) ^{3,4}		Analytical Result (mg/kg)			
						Ingestion ^{3,4}	Inhalation ^{3,4}	Class I ^{3,4}	Class II ^{3,4}				
	7782-49-2	Selenium	390	0.48	1.3	390	---	--	--	3.2	Above background and MAC but MAC is based on non-applicable soil to gw ingestion route. TCLP selenium result meets the TACO Tier 1 Class I soil to groundwater ingestion exposure route remediation objectives.		
	7440-22-4	Silver	390	0.55	4.4	390	---	--	--	< 1.1	Result was ND		
	7440-23-5	Sodium	--	130	--	---	---	--	--	79			J+
	7440-28-0	Thallium	0.78	0.32	2.6	6.3	---	--	--	< 1.1	Result was ND		
	7440-62-2	Vanadium	390	25.2	550	550	---	--	--	32	Above background but below applicable standards		
	7440-66-6	Zinc	23000	95.0	5100	23,000	---	--	--	100	Above background but below applicable standards		
TCLP ⁷	7440-47-3	Chromium	--	--	--	--	--	0.1	1.0	<0.010			
	7440-48-4	Cobalt	--	--	--	--	--	1.0	1.0	< 0.010			
	7439-89-6	Iron	--	--	--	--	--	5.0	5.0	0.47		U	
	7782-49-2	Selenium	--	--	--	--	--	0.05	0.05	<0.010			
pH (25 deg C)		pH								7.15		J	J
Percent Moisture		Percent Moisture								23.3			

Notes:
* - Construction Worker Inhalation Objective from Appendix B, Table B ^{3,4}

< 0.043	- Analyte was not detected but the reporting limit is above one or more applicable standards
17000	- Analyte was detected and result exceeds TACO background soil concentrations but the concentration does not exceed the EPA RSLs or the TACO Tier 1 remediation objectives
7.1	- Analyte was detected but result is below TACO background soil concentrations
22	- Analyte was detected and result exceeds TACO background soil concentrations and MAC but TCLP result for analyte meets the TACO Tier 1 Class I soil to groundwater ingestion exposure route remediation objectives.

-- - No criteria	ND - Not Detected
ADL - Allowable Detection Limit	PAH - Polycyclic Aromatic Hydrocarbon
CAS No. - Chemical Abstracts Service	PCB - Polychlorinated biphenyl
EPA - United States Environmental Protection Agency	PEST - Pesticide
HERB - Herbicide	U - Analyte not detected at the associated reporting limit
IEPA - Illinois Environmental Protection Agency	RSL - Regional Screening Level
(J) - The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample	SVOC - Semivolatile organic compound
(J+) - The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.	
INORG - Inorganic analytes or metals	TACO - Tiered Approach to Corrective Action
MAC - Maximum Allowable Concentrations	TCLP - Toxicity Characteristic Leaching Procedure
mg/kg - Milligrams per kilogram	THQ - Target hazard quotients
mg/L - Milligrams per liter	TR - Target Cancer Risk
	VOC - Volatile organic compound

1 - Analytical results compared to EPA Regional Screening Levels (RSLs) Residential Soil - Generic Table (TR of 1E-06, and THQ of 1.0)
2 - The applicable standards can be located here: <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables-june-2017>
3 - Analytical results compared to IEPA Title 35: Environmental Protection, Subtitle G: Waste Disposal, Chapter I: Pollution Control Board, Subchapter F: Risk Based Cleanup Objectives, Part 742: Tiered Approach to Corrective Action Objectives
4 - The applicable standards can be located here: <http://www.ipcb.state.il.us/documents/dsweb/Get/Document-38408>
5 - Analytical results compared to IEPA Summary of Maximum Allowable Concentrations of Chemical Constituents In Uncontaminated Soil Used as Fill Material At Regulated Fill Operations (35 Ill. Adm. Code 1100.Subpart F)
6 - The applicable standards can be located here: <http://www.epa.state.il.us/land/ccdd/new-max-allowable-concentrations-table.pdf>
7 - TCLP chromium, cobalt, iron, and selenium analytical result units are mg/L compared to Soil Component of Groundwater Ingestion Exposure Route Values in mg/L

Appendix K

Clean Backfill Shipments

708-458-6868

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RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	8/29/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2812	signed	
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	9/7/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2806	signed	<i>Barbara J. Molini</i>
-------------	--------	--------------------------

708-458-6868

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RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	9/8/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2807	signed	<i>Barbara J. Molinar</i>
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708-458-6868

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RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	9/14/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2813	signed	<i>Barbara J. Moore</i>
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708-458-6868

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RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	9/20/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2808	signed	<i>Barbara J. Molina</i>
-------------	--------	--------------------------

708-458-6868

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RW COLLINS CO.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	9/22/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2809	signed	<i>Barbara J. Mohr</i>
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708-458-6868

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RW COLLINS Co.

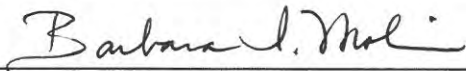
SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	9/26/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2810	signed	
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708-458-6868

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RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	9/27/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2811	signed	<i>Barbara J. Dahl</i>
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RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	4/13/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2832	signed	<i>Barbara Mol.</i>
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708-458-6868

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RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	4/20/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2833	signed	<i>Barbara Molina</i>
-------------	--------	-----------------------

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RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	4/24/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2834	signed	<i>Barbara Mel-</i>
-------------	--------	---------------------

708-458-6868

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RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	4/27/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2835	signed	<i>Barbara Moe</i>
-------------	--------	--------------------

708-458-6868

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RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	7/31/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2800	signed	<i>Barbara Mol</i>
-------------	--------	--------------------

708-458-6868

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RW COLLINS CO.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	8/1/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2804	signed	<i>Barbara J. Meli</i>
------	--------	------------------------

708-458-6868

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RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	8/2/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
40	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2805	signed	<i>Barbara J. Mel</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	8/15/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
40	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2801	signed	<i>Barbara Mol</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	8/24/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2802	signed	<i>Barbara Molini</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	8/25/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2803	signed	<i>Barbara Mol</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	12/12/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2829	signed	<i>Barbara L. Mol</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	12/19/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2830	signed	<i>Barbara L. Noel</i>
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708-458-6868

www.rwcollins.com

RW COLLINS CO.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	7/2/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	RWC

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2851	signed	<i>Barbara Mol</i>
-------------	--------	--------------------

708-458-6868

www.rwcollins.com

RW COLLINS CO.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	7/11/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	RWC

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2852	signed	<i>Barbara Moline</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	7/11/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt – roll off box
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2853	signed	<i>Barbara Molina</i>
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708-458-6868

www.rwcollins.com

RW COLLINS CO.


SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	7/2/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	RWC

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2851	signed	
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708-458-6868

www.rwcollins.com

RW COLLINS CO.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	7/11/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	RWC

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2852	signed	<i>Barbara Moline</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	7/11/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt – roll off box
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2853	signed	<i>Barbara Molina</i>
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(312) 767-3030

(708) 458-6868

RW COLLINS Co.

7225 W. 66th Street • Chicago, Illinois 60638

Date 7/5/17

To GHD

Job Throop + Cermak, Chicago

Truck No. _____ Driver DISPOSALL

	YDS.
20	TON BLACK DIRT
	RENTAL:
	TRUCK
	BACKHOE
	LOADER

STARTING TIME _____

QUITTING TIME _____

HOURS _____

2786

Signed Barbara J. Mol

(312) 767-3030

(708) 458-6868

RW COLLINS Co.

7225 W. 66th Street • Chicago, Illinois 60638

Date 7/11/17

To GHD

Job Throop + Cermak, Chicago

Truck No. _____ Driver DisposAll

	YDS.
20	TON Black Dirt
	RENTAL:
	TRUCK
	BACKHOE
	LOADER

STARTING TIME _____

QUITTING TIME _____

HOURS _____

2787

Signed Barbara Noel

(312) 767-3030

(708) 458-6868

RW COLLINS Co.

7225 W. 66th Street • Chicago, Illinois 60638

Date 7/13/17

To GHD

Job Throop + Cermal, Chicago

Truck No. _____ Driver Dispos All

	YDS.
20	TON Black Dirt
	RENTAL:
	TRUCK
	BACKHOE
	LOADER

STARTING TIME _____

QUITTING TIME _____

HOURS _____

2788

Signed Barbara Mac

(312) 767-3030

(708) 458-6868

RW COLLINS Co.

7225 W. 66th Street • Chicago, Illinois 60638

Date 7/19/17

To GHD

Job Throop + Cermal, Chicago

Truck No. _____ Driver Disposal

20	YDS. <u>Black dirt</u>
	TON
	RENTAL:
	TRUCK
	BACKHOE
	LOADER

STARTING TIME _____

QUITTING TIME _____

HOURS _____

2789

Signed Barbara Mel

(312) 767-3030

(708) 458-6868

RW COLLINS Co.

7225 W. 66th Street • Chicago, Illinois 60638

Date 7/21/17

To GHD

Job Throop + Cermak Chicago

Truck No. _____ Driver Dispos All

	YDS.
20	TON <u>Black Dirt</u>
	RENTAL:
	TRUCK
	BACKHOE
	LOADER

STARTING TIME _____

QUITTING TIME _____

HOURS _____

2790

Signed Barbara White

708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	6/5/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt – Roll Off Box
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2843	signed	<i>Barbara Noel</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.


SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	6/6/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt – Roll Off Box
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2844	signed	
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	6/12/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt – Roll Off Box
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2845	signed	<i>Barbara Molina</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	6/15/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt – Roll Off Box
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2846	signed	<i>Barbara L. Mohr</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	6/20/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
	ton	
	rental	
6	truck	Black Dirt – 6-wheeler Load
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2848	signed	<i>Barbara Molina</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	6/25/18
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	Eno

QTY		DESCRIPTION
	yards	
	ton	
	rental	
12	truck	Black Dirt – 6-wheeler Load
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2849	signed	<i>Barbara Molina</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	11/6/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2823	signed	<i>Barbara J. Molini</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	11/8/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
40	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2824	signed	<i>Barbara L. Nash</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	11/14/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2825	signed	<i>Barbara L. Mohr</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	11/22/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2826	signed	<i>Barbara J. Mohr</i>
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708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	11/29/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2827	signed	<i>Barbara J. M...</i>
-------------	--------	------------------------

708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	12/1/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2828	signed	<i>Barbara J. Mohr</i>
-------------	--------	------------------------

708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	10/5/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2814	signed	<i>Barbara J. Molini</i>
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708-458-6868

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RW COLLINS CO.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	10/5/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2815	signed	<i>Barbara J. Mohr</i>
-------------	--------	------------------------

708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	10/10/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2816	signed	<i>Barbara J. Molini</i>
-------------	--------	--------------------------

708-458-6868

www.rwcollins.com

RW COLLINS CO.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	10/16/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2817	signed	<i>Barbara L. Molini</i>
-------------	--------	--------------------------

708-458-6868

www.rwcollins.com

RW COLLINS CO.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	10/16/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
40	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2818	signed	<i>Barbara J. Molin</i>
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708-458-6868

www.rwcollins.com

RW COLLINS CO.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	10/17/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
40	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2819	signed	<i>Barbara L. Molini</i>
-------------	--------	--------------------------

708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	10/20/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2820	signed	<i>Barbara J. Mohr</i>
-------------	--------	------------------------

708-458-6868

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RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	10/31/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2821	signed	<i>Barbara J. Mol.</i>
-------------	--------	------------------------

708-458-6868

www.rwcollins.com

RW COLLINS Co.

SOIL REMEDIATION & EXCAVATION

7225 West 66th Street, Chicago, Illinois 60638

DATE	11/2/17
TO	GHD
JOB	Throop & Cermak, Chicago
DRIVER	DisposAll

QTY		DESCRIPTION
	yards	
20	ton	Black Dirt
	rental	
	truck	
	backhoe	
	loader	

Starting Time
Quitting Time
Hours

2822	signed	<i>Barbara L. Noel</i>
-------------	--------	------------------------

(312) 767-3030

(708) 458-6868

RW COLLINS Co.

7225 W. 66th Street • Chicago, Illinois 60638

Date 6/14/17

To GHD

Job Throop + Cermak, Chicago

Truck No. _____ Driver Dispos ALL

YDS.

40 TON Black Dirt

RENTAL:

TRUCK

BACKHOE

LOADER

STARTING TIME _____

QUITTING TIME _____

HOURS _____

2781

Signed Barbara Noel

(312) 767-3030

(708) 458-6868

RW COLLINS Co.

7225 W. 66th Street • Chicago, Illinois 60638

Date 6/20

To GHD

Job THROOP + CERMAK, CHICAGO

Truck No. _____ Driver DISPOS ALL

YDS.

20 TON BLACK DIRT

RENTAL:

TRUCK

BACKHOE

LOADER

STARTING TIME _____

QUITTING TIME _____

HOURS _____

2782

Signed Barb Mel

(312) 767-3030

(708) 458-6868

RW COLLINS Co.

7225 W. 66th Street • Chicago, Illinois 60638

Date 6/21

To GHD

Job THROOP + CERMAK, CHICAGO

Truck No. _____ Driver DISPOSAL

	YDS.
<u>20</u>	TON <u>BLACK DIRT</u>
	RENTAL:
	TRUCK
	BACKHOE
	LOADER

STARTING TIME _____

QUITTING TIME _____

HOURS _____

2784

Signed Barb Noel

(312) 767-3030

(708) 458-6868

RW COLLINS Co.

7225 W. 66th Street • Chicago, Illinois 60638

Date 6/26

To GHD

Job THROOP + CERNAK CHICAGO

Truck No. _____ Driver DISPOS'ALL

YDS.

20 TON BLACK DIRT

RENTAL:

TRUCK

BACKHOE

LOADER

STARTING TIME _____

QUITTING TIME _____

HOURS _____

2783

Signed Paul Noel

(312) 767-3030

(708) 458-6868

RW COLLINS Co.

7225 W. 66th Street • Chicago, Illinois 60638

Date 6/28

To GHD

Job Throop + Cermak, Chicago

Truck No. _____ Driver DISPOSAL

YDS.

20

TON

Black Dirt

RENTAL:

TRUCK

BACKHOE

LOADER

STARTING TIME _____

QUITTING TIME _____

HOURS _____

2785

Signed Baiba Miel

(312) 767-3030

(708) 458-6868

RW COLLINS Co.

7225 W. 66th Street • Chicago, Illinois 60638

Date 5/15/17

To GHD
Job ~~Bl~~ Throop + Cermak, Chicago
Truck No. 77 Driver Valenti

YDS.

20 TON BLACK DIRT

RENTAL:

TRUCK

BACKHOE

LOADER

STARTING TIME _____

QUITTING TIME _____

HOURS _____

2775

Signed Bart Mol

(312) 767-3030

(708) 458-6868

RW COLLINS Co.

7225 W. 66th Street • Chicago, Illinois 60638

Date 5/17/17

To GHD
Job Throop + Cermak, Chicago
Truck No. 77 Driver Valenti

YDS.

20

TON

PULVERIZED DIRT

RENTAL:

TRUCK

BACKHOE

LOADER

STARTING TIME _____

QUITTING TIME _____

HOURS _____

2774

Signed Barb Mol

(312) 767-3030

(708) 458-6868

RW COLLINS Co.

7225 W. 66th Street • Chicago, Illinois 60638

Date 5/4/17

To GHD

Job THROOP + CERMAK, CHICAGO

Truck No. 77 Driver VALENTI

YDS.

20 TON PULVERIZED DIRT

RENTAL:

TRUCK

BACKHOE

LOADER

STARTING TIME _____

QUITTING TIME _____

HOURS _____

2773

Signed Barb Mal

(312) 767-3030

(708) 458-6868

RW COLLINS Co.

7225 W. 66th Street • Chicago, Illinois 60638

Date 5/3/17

To GHD

Job THROOP + CERMAK, CHICAGO

Truck No. 77 Driver VALENTI

YDS.

20 TON PULVERIZED DIRT

RENTAL:

TRUCK

BACKHOE

LOADER

STARTING TIME _____

QUITTING TIME _____

HOURS _____

2772

Signed Bart Noel